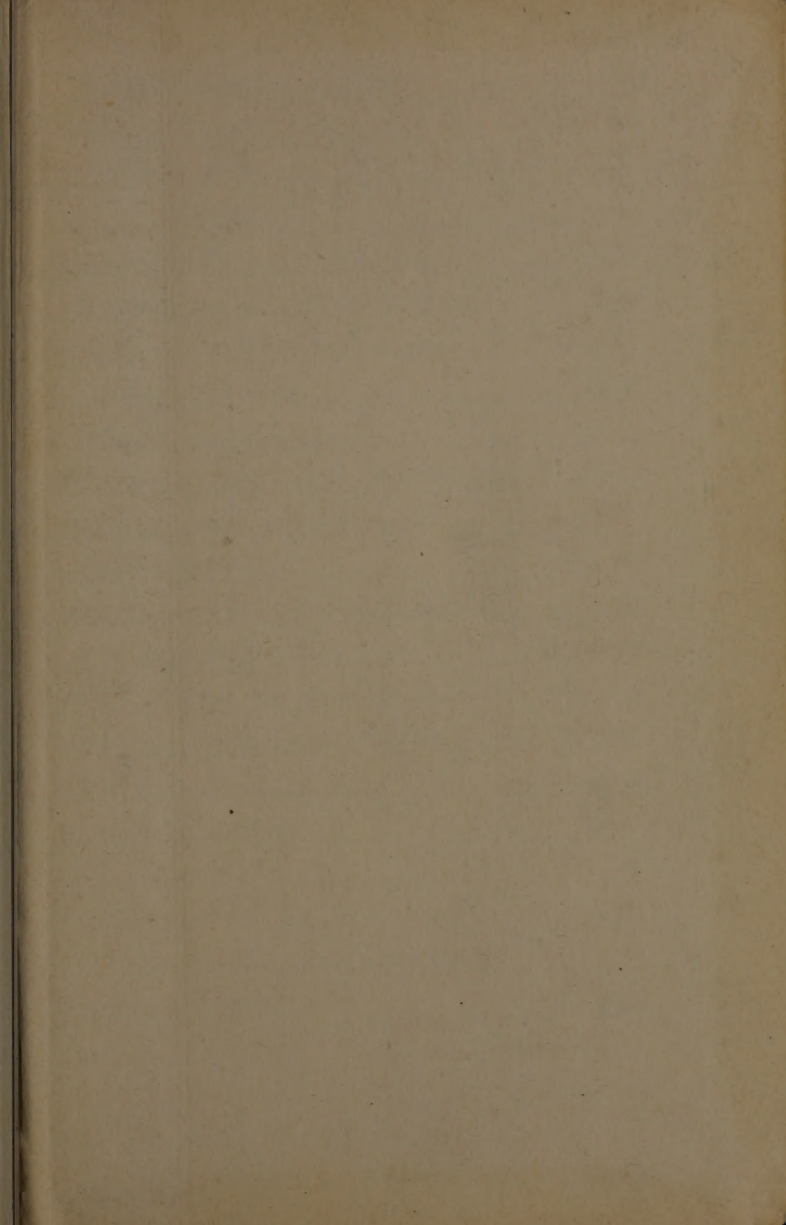
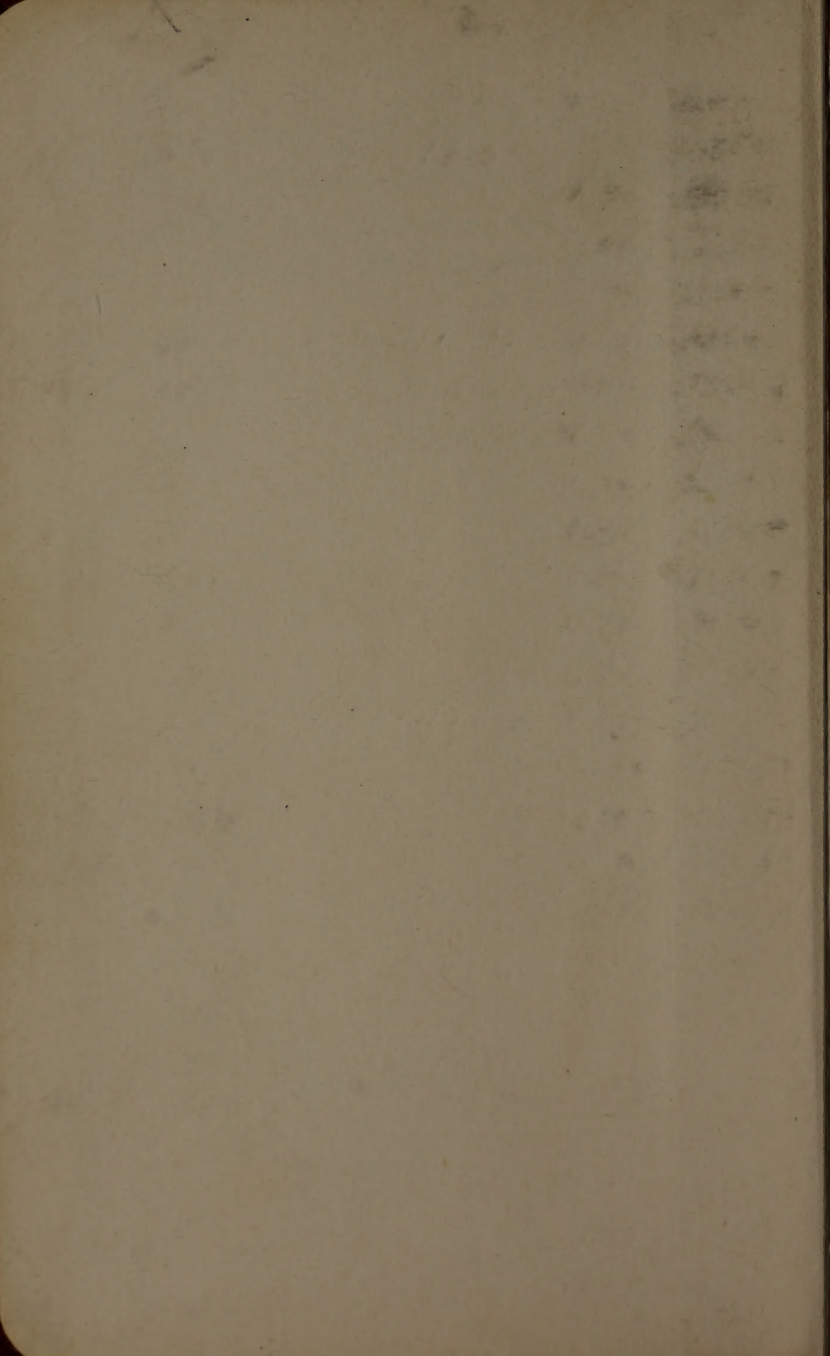


Aubrey N. Holmes
Soil Conservation Service
Princess Anne, Va.
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L. H. Williams & Others 10/14/57

Sta	Bearing	B.S.	HI	F.S.	Elev
0+0	N29°W	4.58	14.58		10.00
				10.30	4.28
				8.80	5.78
1+90	S87°W			3.25	11.33
	S80°E	4.70	16.03		
3+80	S78°E			3.85	12.18
				8.20	7.83
				7.50	8.53
5+90	N70°W			4.60	11.43
8+10	N74°W			4.05	11.98
				7.10	9.93
				6.30	10.73
	S81°E	5.35	17.33		
10+30	S81°E			5.25	12.08
12+10	S81°E			4.40	12.93
				8.45	8.88
				7.75	9.58
13+85	N84°W			4.05	13.28
				8.25	9.08
				7.45	9.88
				9.45	7.88
				8.38	8.95
				7.40	9.93
				9.31	8.02
				5.20	12.13
14+40				4.22	13.11

Distance Cut		Remarks.
485		
432	53	stake edge of woods
		Ditch at woods
		W.L. " "
420		
230	190	stake in field
625		
315	310	BS. on 1+90
445		
325	120	stake
		Ditch at 3+80
		W.L.
505		
415	90	stake
560		
250	310	stake
		Ditch at 8+10
		W.L.
815		
260	555	BS. on 8+10
690		
335	335	stake
515		
360	155	stake
		Ditch at 12+10
		W.L.
415		
390	20	stake at HWY.
		Ditch " "
		W.L.
		culvert outlet
		Ditch West Side of Hwy
		W.L.
		Culvert intake
		Center HWY
460		
385	75	stake in Batters yard

L. A. Williams & Others

Sta	Bearing	BS	HI	FS	Elev
	S73°E	4.10	17.21		13.11
16+50	S74°E			3.30	13.91
18+70	N73°W			4.25	12.96
				8.00	9.21
				7.30	9.91
20+35	N81°W			2.55	14.66
	N71°E	3.85	18.51		
22+35	N75°E			3.40	15.11
				9.05	9.46
				8.55	9.96
24+95	N75°W			3.95	14.56
27+75	S89°W			3.85	14.66
				9.00	9.51
				8.10	10.41
	N88°E	3.50	18.16		
30+65	S58°W			3.88	14.28
				8.30	9.86
				7.90	10.26
31+75	N89°W			4.15	14.01
	S85°E	3.60	17.61		
34+22	N81°W			3.90	13.71
				8.05	9.56
				7.40	10.21
36+95	N88°W			3.55	14.86

Distance Cut		Remarks
560		
270	290	BS on 14+40
370		stake
290	80	
490		stake
350	140	
		Ditch at 18+70
		Wh.
410		
105	305	stake edge of yard
740		
300	440	BS on 20+35
460		stake
220	240	
		Ditch at 22+35
		Wh.
400		
380	20	stake
535		stake
235	300	
		Ditch at 27+75
		Ditch
490		
210	280	BS on 27+75
393		
383	10	stake edge of cornfield
		Ditch at 30+65
		Wh " "
470		
360	118	stake in bramble
420		
266	210	BS on 31+25
410		stake edge of bramble
373	37	
		Ditch at 34+22
		Wh " "
510		
200	310	stake in field

L. A. Williams

10/16/57

Sta	Bearing	BS	HI	FS	Elev
0+0					
18+70	N10°E	4.65	17.61		12.96
1+95	N10°E			4.20	13.41
				8.55	9.06
				7.75	9.86
4+05	N8°E			4.10	13.51
6+05	S3°W			4.20	13.41
				8.70	8.91
				8.20	9.41
7+15	S49°E			4.80	12.81
	N28°E	5.60	18.41		
8+95	N36°E			4.90	13.51
				8.95	9.46
				8.55	9.86
				9.80	8.61
11+15	S1°W			5.05	13.36
				9.35	9.06
				8.35	10.06
				10.10	8.31
12+85	S7°W			4.40	14.01
	N22°E	3.50	17.51		
15+35	N28°E			4.10	13.41
				8.10	9.41
				7.40	10.11
19+25	N66°W			2.60	14.91

Distance Cut

3000 ft. road

735
180 575 56
418
335 380 58

BS on 18+70

Stake

Ditch at 1+95

Wh " "

Stake

Stake

Ditch at 6+05

Wh. " "

Stake

BS on 7+15

Stake in yard by Calvert

Ditch at 8+95

Wh. " "

Calvert

Stake by Calvert's yard

Ditch at 11+15

Wh " "

Calvert

Stake in hog lot

BS on 12+85

Stake

Ditch at 15+35

Wh. " "

Stake

495
325 170 58
435
405 30 60

550
410 140 50

880
530 330
565
415 180 55

540
470 70 52

560
320 240 56

815
175 340
450
360 90 50

310
210 100 57

L. A. Williams

Sfr.	Angle	BS	HI	FS.	Elev
1724	N 76° E	4.80	19.71		14.91
18+95	N 45° W			4.10	15.61
20+85	S 36° W			4.35	15.36
				9.00	10.91
				8.80	10.91

New Culvert Across Hwy			
4.37	10.37		6.00
		6.03	4.54
		10.00	.37
		4.20	6.17
			.37

Distance	Cut	Remarks
570		BS on cut 75
350	18.0	Stake
415	1.0	Stake at pull-in 150
400		Ditch cut 20+85
300	15.0	Wh. in

near Game Warden Hdg.

Cut	Remarks
5-3	W.L. in Ditch
	Conal Bottom
	Top Stake
	New Culvert

Andrew Shipp 10/16/57

Sta	Bearing	BS	HI	FS	Elev
0+0	N53°E	4.40	16.40		12.00
				8.80	7.60
				8.50	7.90
2+10	N53°E			4.30	12.10
4+35	N53°E			4.35	12.05
6+80	S50°W			4.10	12.30
9+00	S50°W			3.90	12.50
11+40	S50°W			3.40	13.00

2nd lateral from Woods

	S26°W	4.60	17.60		
0+0	S53°W			3.70	13.90
2+00	S54°W			3.95	13.65
4+40	S54°W			3.90	13.70
6+80	S55°W			4.00	13.60
				5.90	11.70
8+70	S67°W			4.15	13.45
11+15	N43°E			4.40	13.20
13+60	N47°E			4.40	13.20
				6.35	11.25
15+20	N48°E			4.80	13.20
18+00	N50°E			5.10	13.80
				5.70	8.90

Distance	Bat	Remarks
705 185	520 4 ¹ / ₂	Stake at HWY Road ditch W L
585 275	310 4 ³ / ₄	Stake
480 385	85 4 ⁰ / ₂	Stake
490 380	160 4 ⁰ / ₂	Stake
580 200	380 4 ⁰ / ₂	Stake
650 30	620 4 ³ / ₄	Stake at Woods
680 250	430	155 on 1140
660 50	170 4 ⁰ / ₂	Stake at Woods
820 50	770 4 ⁰ / ₂	Stake
655 125	530 4 ¹ / ₂	Stake
530 265	290 4 ² / ₄	Stake Ditch at 640
405 75	80 4 ¹ / ₂	Stake
510 365	145 4 ¹ / ₂	Stake
270 270	390 4 ² / ₄	Stake Ditch at 1340
750 140	410 4 ² / ₄	Stake
875 55	830 4 ¹ / ₂	Stake at HWY Road ditch

Andrew Sharp 11-14-57

Sta	Bearing BS.	HI	FS.	Elev.
	3rd ditch from		Wood's	
	NNW 4.00	17.80		13.80
0+0	N 52° E		5.20	14.60
			8.60	9.20
			8.30	9.50
2+07	N 51° E		4.60	13.20
4+38	N 50° E		3.80	14.00
			6.20	11.60
6+71	N 49° E		4.15	13.65
8+84	S 61° W		3.92	13.88
			6.54	11.26
11+93	S 54° W		3.95	13.85
13+02	S 53° W		3.58	14.22
			6.20	11.60
14+92	S 53° W		3.35	14.45
17+02	S 52° W		3.80	14.00
18+92	S 53° W		2.40	15.40
	4th lateral from		Wood's	
	S 32° W 2.70	18.10		15.90
0+0	S 50° W		2.55	16.55
2+00	S 60° W		2.20	14.90
			5.00	13.10
4+22	S 52° W		3.60	14.50
6+33	S 47° W		4.10	14.00

Distance	Cut	Remarks
920 910 900 890	910 894	54 Bson 1800 Stake at HWY Ditch at " Wh.
697 640 580 524	672 416	40 Stone 46 Stone Ditch Stake
533 370 412 372	172 40	42 Stake 44 Stake Ditch Stake
520 370 330 280	244 205	42 Stake 40 Stake Ditch Stake
680 590 550 500 480 360	658 768 6030	45 Stake 40 Stone 46 Stake at road
7000 510 540 500 640 200	750 840 570	Bson 1800 Stake at HWY Stake Ditch Stake
388 152 515 300	418 207	40 Stake 38 Stone

Andrew SHIP 11-14-57

Sta.	Bearing	BS	HI	FS	Elev.
8+40	S32°E		18.10	4.49	13.61
10+21	N58°E			4.48	13.62
				7.20	10.70
				6.30	11.80
12+35	N56°E			4.55	13.55
	S32°W	4.95	18.50		
14+33	N47°E			4.15	14.35
				7.00	11.50
				6.38	12.00
16+42	N50°E			4.28	14.22
18+45	N51°E			5.80	14.70
				8.10	10.40
				7.80	10.70

Lateral next to

	S43°E	290	17.60		14.70
0+0	N52°E			3.75	13.85
				7.62	9.98
				6.95	10.65
2+28	S47°W			3.50	14.10
4+43	S50°W			3.20	14.40
				6.25	11.35
	N55°E	3.65	18.05		
6+73	N55°E			3.70	14.35
				6.75	11.30
				5.95	12.10

Distance	Cut	Remarks
395	22	36 stake
378	215	36 stake
		Ditch
		W.L.
440	427	36 stake
428	39	B.S. on 12+35
432	127	45 stake
		Ditch at 14+13
		W.L.
444	337	44 stake
452	540	50 stake at HWY
112		Ditch
		W.L.

Paynes House

425	265		B.S. on 18+45
160			
408	63	44	stake at outlet
340			Wing Ditch
			Ditch at 0+0
430			
270	160	45	stake
510			
135	375	46	stake
			Ditch at 4+43
655			
545	580		B.S. on 4+43
195	350	45	stake
			Ditch at 6+73
			W.L. at 6+73

Andrew Shipp.

Sta.	Bearing	BS.	HI	FS.	Elev
9413	N58°E		18.05	3.90	14.15
11482	S50°E			3.94	14.11
				5.75	12.30
				5.45	12.60
13195	S50°E			3.45	14.60
	N58°E	3.50	18.10		
16440	N74°E			3.42	14.68
				5.90	12.20
				4.90	13.20
18486	S45°W			3.48	14.62
040	N63°W			3.55	14.55
		3.75	18.30		
2400	S60°W			3.55	14.75
				6.70	11.60
				6.30	12.00
4420	N53°E			4.00	14.30
6440	N53°E			4.00	14.30
	S50°W	3.45	17.75		
8435	S50°W			3.65	14.10
10450	N50°E			3.86	13.89
	S30°W	3.70	17.59		
13425	N50°E			4.00	13.59
				7.55	10.04

Ditch		Ent	Remarks
478	112	4 ²	stake
472	157	3 ⁸	stake
530			Ditch at 11+52
160	370	4 ²	W.L. of 11+82
505			stake
200	305		B.S. on 13+45
383	80	4 ⁰	stake
303			Ditch at 16+40
476			W.L. of 16+40
260	176	3 ⁸	stake of Florio's

Lateral by Buck Gate

510	310	3 ⁸	stake
495	240		B.S. on 0+0
255			
375	40	4 ²	stake
335			Ditch at 2+00
490			W.L. of 2+00
310	180	4 ⁰	stake
600	400	4 ²	stake
200		4 ¹	
470	235		B.S. on 6+40
235			
383	40	4 ⁰	stake
343			
465		4 ⁰	stake
290	175		
420			B.S. on 10+50
315	105		
455	170	4 ⁰	stake
			Ditch

S. Peter Brown

12/13/57

Sta.	Bearing	B.S.	H.I.	F.S.	Elev.
0+10	S 62° E	3.75	15.75		12.00
				9.55	6.20
2+25	S 61° E			8.55	7.20
				3.80	11.95
				7.80	7.95
				7.20	8.55
4+30	S 63° E			3.90	11.85
6+40	N 58° W			4.10	11.65
				7.60	8.15
				6.80	8.95
8+60	N 61° W			4.15	11.60
10+90	N 61° W			4.00	11.75
				6.90	8.85
				6.50	9.25
12+90	N 61° W			3.80	11.95
	S 58° E	5.45	17.90		
15+05	S 58° E			5.10	12.80
17+25	S 57° E			4.60	13.30
				8.50	9.40
				8.00	9.95
19+35	N 48° W			4.25	13.65
21+55	N 55° W			4.00	13.90
				7.50	10.40
				5.10	10.85
23+65	N 30° W			3.30	14.60

Distance	Cut	Remarks
270 210	590 58	Stake east side of road Main lead
505 200	365 56	Wh Stake
		Ditch at 2+25
		Wh
470 310	160 52	Stake
435 385	50 42	Stake
		Ditch at 6+40
		Wh
540 270	250 44	Stake
640 160	480 44	Stake
		Ditch at 10+40
		Wh
780 110	680 42	Stake
905 275	615	Bs on 12+90
710 310	400 48	Stake
550 370	180 50	Stake
		Ditch at 17+25
		Wh
440 410	30 50	Stake in front of house
530 370	250 50	Stake
		Ditch at 21+55
		Wh
505 105	460 55	Stake

5. Paul Brown

Sta.	Bearing	BS.	HI	FS.	Elev.
	555°E	4.20	18.80		14.60
26+05	N77°W			4.05	14.75
				7.90	70.90
				7.30	11.50
28+05	N58°W			4.50	14.30
30+00	N58°W			4.55	14.25
31+65	N58°W			4.60	14.20
				7.50	11.30
				6.90	11.90
		4.05	17.70		13.65
				8.05	9.65
				7.85	9.85

Distance Cut

Remarks

410 220

BS on 22105

390 20

55 Stake

Ditch at 36105

1114

560 220

47 Stake

640 415

44 Stake

750 580

42 Stake West side

Ditch at 31+65

1114

BS on 19+35

S. Paul Brown (L470)

Sta	Bearing.	B.S.	H.I.	F.S.	Elev.
0+0	S 67° E	3.90	16.40		12.50
				9.85	6.75
				9.35	7.05
				9.55	6.85
				9.05	7.35
2+00	S 65° E			4.90	11.50
4+20	S 80° E			4.40	12.00
				9.65	6.75
				8.95	7.45
6+50	N 60° W			5.10	11.30
8+60	N 60° W			4.40	12.00
				8.80	7.60
				8.10	8.30
				9.65	6.75
				9.55	6.85
				9.25	7.15
10+60	N 60° W			4.00	12.40
	S 63° E	3.60	16.00		
12+75	S 60° E			3.95	12.05
				8.00	8.00
				7.50	8.50
14+90				4.00	12.00
16+90	N 38° W			3.80	12.20
				4.50	9.50
				4.00	10.00

Distance	Cut.	Remarks.
615 145	450	Stake East side of field Main Lead
		W h.
		Ditch at 0+0
		W h.
615 365	250	Stake
455 655	30	52 stake
		Ditch at 4+10
		W h.
610 410	200	50 Stake
650 210	410	52 stake
		Ditch at 8+60
		W h.
		Convent outlet
		" intake
		Ditch bottom
710 100	610	56 stake
680 200	580	BS. on 10+60
570 15	345	51 stake end of new cut
		Ditch at 12+75
		W h.
475 425	150	49 Stake
405 355	50	48 stake edge of Yard.
		Ditch at 16+90
		W h.

SPALL BROWN

Sta.	Bearing	P.S.	H.I.	F.S.	Elev.
18+70	N55°W		1600	3.55	12.45
20+75	N58°W			2.05	13.95
				5.75	10.25
				5.35	10.65
	SCOFF	3.60	17.55		
23+10	S73°E			4.15	13.40
25+25	N69°W			3.20	14.35
				7.55	10.50
				6.75	10.80
28+25	N70°W			3.00	14.55
30+15	N70°W			2.75	14.80
				7.40	10.15
				6.40	11.15

Center 2000 (Edson Farm)

12

Distances		Cut	Remarks
480			
230	250	49	Stake in Road
520			
700	430	59	Stake west of yard
			Ditch at 20+95
			WL
520			
230	320		BS on 20+95
420			
350	105	48	Stake
370			
200	110	51	Stake
			Ditch at 25+25
			WL
450			
180	310		Stake
290	600		Stake
			Ditch at 30+15
			WL

C.C. CURTIS 5/21/58

Sta.	Bearing	B.S.	H.I.	F.S.	Elev.
0+0	541°W	3.45	15.45		12.00
				5.60	9.85
2+45	N5°W			3.67	11.78
				6.20	9.25
4+45	N40°E			5.20	10.25
4+45	N40°E			7.10	8.35
6+65	N40°E			6.50	8.95
				8.00	7.45
	543°W	2.70	11.65		
8+65	543°W			3.70	7.75
				5.20	6.45
11+25	543°W			3.40	8.25
				5.10	6.55
13+15	550°W			3.83	7.82
				6.40	5.25
14+95	N80°E			3.65	8.00
				6.35	5.30
17+50	N86°E			5.70	5.75
				6.15	5.50
				9.70	1.95
				8.40	3.25

Main Through Barn Yard

15

Distance	Cut	Remarks
465 230 235	32	stake So. Yard Bdy Ditch at 0+0
375 365 15	49	stake of No. Yard Bdy Ditch at 2+45
625 415 210	44	stake Ditch at 4+45
865 435 430	44	stake at 1st Lateral Ditch at 6+65
630 720		B.S. on 6+65
110 520	45	stake at Cross Main Ditch at 8+65
210 260	52	stake at Road Ditch at 11+25
418 348 70	52	stake Ditch at 13+15
420 310 110	56	stake Ditch at 14+95
755 430 325	40	stake 40' from main Swamp at 17+50 Main Canal W.L. at 17+50

C.C. CURTIS

CROSS MOUNTAIN

5+26	BEARING	95	HI	F.S.	Ek
8+10	557°E	3.40	11.35		7.95
14+95	555°E			3.55	7.80
				5.36	5.99
4+05	N63°W			3.40	7.95
				5.12	6.23
6+05	N57°W			2.33	9.02
				4.80	6.55
8+45	N55°W			2.55	8.30
	577°E	3.65	12.45		
10+31	527°W			3.37	9.08
				4.80	7.65
12+58	536°W			.70	11.75
				3.10	7.35
	N37°E	4.75	16.50		
14+78	N38°E			4.15	12.35
				6.20	10.30
16+98	N39°E			4.30	12.20
				6.15	10.35
19+45	532°W			3.12	13.38
				5.08	11.42
22+03	536°W			2.90	13.60
				4.25	12.25
24+18	538°W			1.40	15.10
				4.30	12.20
				5.65	10.85

5/21/58

14

Distance	Cut	Remarks
515		
170 345	4 ²	BS on 8+65
140		
280 150	4 ¹	stake
		Ditch at 1+95
370		
310 60	4 ⁰	stake
		Ditch at 4+05
365		
105 260	4 ⁶	stake stake Ditch
		Ditch at 6+05
505		
	4 ⁰	stake at turn
453		
300 133		BS on 8+45
363		
310 53	4 ¹	stake of Int. With Bollance's
		Ditch at 10+31
210		
	5 ³	stake
		Ditch at 12+58
775		
175 600		BS on 12+58
610		
230 380	5 ⁶	stake
		Ditch at 14+78
510		
350 160	4 ²	stake
		Ditch at 16+98
355		
268 87	4 ⁴	stake
		Ditch at 19+45
425		
120 345	3 ⁶	stake end Corns
		Ditch at 22+03
420		
	4 ²	stake at Hwy
		Hwy Ditch North Road
		Hwy Ditch South Road

C.C. CURTIS

Sta	Bearing	B.S.	H.I.	F.S.	Elev.
	S85°W	1.95	15.35		1360
0+0	S38°W			2.35	13,20
				3.95	11.60
2+30	S41°W			3.35	12.20
				5.70	9.85
4+70	N40°E			3.72	11.83
				6.10	9.45
6+80	N34°E			3.65	11.90
				6.85	8.70
8+90	N35°E			4.55	11.00
				7.55	8.00
	S40°W	2.63	1363		
11+48	N32°E			4.08	9.55
				6.95	6.68
13+25	N35°E			4.45	9.18
				7.05	6.58

County Lateral

Back Field:

15

Distance	Cut	Remarks
450		BS on 22+03
430		
40	390	4° stake next to Poles
		Ditch at 0+0
415		
255	160	3° stake
		Ditch at 2+30
412		
332	80	4° stake
		Ditch at 4+70
510		
220	290	4° stake
		Ditch at 6+80
710		
510	500	4° stake
		Ditch at 8+90
333		
193	140	BS on 8+90
468		
350	115	44° stake opp 1st Lot
		Ditch at 11+45
595		
310	295	4° FS on 6+05
		Ditch at 13+25

C.C. CURTIS

151 20th

Sta	Bearing	B.S.	H.I.	F.S.	Elev
	N52°W	2.05	11.60		9.55
010	N48°W			2.40	9.20
2120	N48°W			3.35	8.25
				4.60	7.00
4107	N38°W			3.58	8.02
				5.12	6.48
5175	S58°E			3.22	8.38

Ditch North of Barn

16.

Distance	Cut	Remarks
450 470		45 11+45
470 455	4 ⁰	Stake at 11+45
215 240	3 ²	Stake
		Ditch at 2+20
385 332	3 ²	Stake
		Ditch at 2+20
375 260	3 ²	Stake at 2+20

Lee Simmons & Others

Sta.	Bearing	B.S.	H.I.	F.S.	Elev.
0+0	W.	4.30	16.30		12.00
				12.00	4.30
				5.50	10.80
3+45	N63°E			4.50	11.80
4+70	N71°E			4.00	12.30
	S38°W	4.80	17.10		
7+00	N79°E			4.50	12.60
	S60°W	4.55	17.15		
9+35	N72°E			4.65	12.50
	S40°W	5.50	18.00		
13+75	N38°E			4.60	13.40
	S10°W	7.50	20.90		
16+25	N52°E			7.10	13.90
		7.15	20.85		
From top of Sta. 16+25				9.35	11.30
Cut 5'				9.15	11.70
19+55	N80°E	N45°E		6.30	14.55
21+65				4.50	16.55
				8.40	12.45

7-7-58

17

Distance		Cut	Remarks
540	230	72	Stake
370			Ditch
			W.L.
465		72	Stake at field path.
350	115		
640		75	Stake
400	240		
530			BS on 4170
430	100		
520		75	Stake
330	130		
540			BS on 7400
380	160		
500		75	Stake
425	75		
630			BS on 9435
470	160		
750		74	Stake
520	280		
830			BS on 13475
620	160		
740		74	Stake
725	90		
725			BS on 16475
795			2-2" Diam.
640	255		
	dnp	22	CUVERT 60' x 10'
			Ditch
640		60	Stake at field path
595	95		
370	285	60	Stake
			Ditch

Anthony D. Calabrese

Sta.	Bearing	BS.	HI	FS.	Elev.
0+0	S78°E	4.40	16.40		12.00
				8.75	7.45
				5.25	11.15
1+45	S77°W			4.20	12.20
	S82°E	6.05	18.25		
3+40	W			3.77	14.48
5+40	S73°W			2.35	15.90
	N75°E	4.70	20.60		
7+50	S78°E			4.30	16.30
				8.70	11.90
9+80	S82°W			4.75	15.85
	N79°E	4.00	19.85		
				7.70	12.15
11+00	N4°E			4.30	15.55
	N81°E	5.00	20.55		
13+50	N89°W			4.30	16.25
16+25	N89°W			5.00	15.55
	S77°E	4.35	19.90		
18+60	S75°E			4.30	15.60
				7.25	12.65
20+30	N83°W			4.25	15.65
21+50	N85°W			3.80	16.10

7-9-58

15.

Distance		Cut	Remarks
465 425	40	52	Stake of level diked Ditch bottom W.L.
445 370 680 335	105	52	Stake Edge of marsh BS on 1+45
403 353	50	63	Stake
450 200	250	60	Stake in field
390 330	240		BS on 5+40
445 410	30	63	Stake
575 375	200	53	Ditch at 7+50 2' bottom Stake
460 340	120		BS on 9+80
000 590 410	180	48	Ditch at 9+80 2' bottom Stake Edge of Cornfield BS on 11+00
470 420	70	53	Stake
605 390	345	43	Stake
575 280	315		BS on 10+25
470 370	80	40	Stake
470 330 490 230	90 210	70 40	Ditch at 11+25 2' bottom Stake Stake

Anthony D. Calabrese

Sta.	Bearing	CS	HT	FS	Elev
0+0	N51°E	4.70 3.80	20.80		16.10
2+30	N5°E			5.10	15.70
4+00	N5°E			5.70	15.60
				6.25	14.55
6+30	S5°W			4.75	16.05
8+60	S5°W			4.40	16.40

Const'd. 8/13/58

	N83°W	4.05	19.60		15.55
0+0	N32°E			3.47	16.13
				8.54	11.06
1+21	S15°E			4.05	15.55
3+04	S4°E			3.95	15.65
	N5°E	3.97	19.62		
				6.28	13.34
4+89	S12°E			4.04	15.58
6+42	S12°E			3.57	16.45
7+82	S3°W			2.45	17.17
				4.75	14.87

7-9-58

19

Distance	Cut	Remarks
600		
160	440	BS on 21/50
620		
400	220	
340		
330	40	
		Center Ditch
540		
380	190	
720		
600	420	at HWY

Lateral on West side House

448			
360	88		BS on 16+25
368			
324	44	5 ²	store at end Ditch at 0+0
442			
365	77	4 ³	store
525			
265	260	4 ²	store
468			
330	138		BS on 3+04
			Cross Ditch at 4+42
427			
380	47	4 ⁰	store app house
420			
220	200	4 ⁰	store
415			
75	340	4 ⁰	store
			Heavy Ditch

Radar Inlet 0100g

Virgin

N69°W 7.46 12.46 5.00

7.30 5.16

0182 N8°E 4.88 7.58

10.80 1.66

2402 31°E 4.40 8.06

4142 32°E 2.21 10.25

TP1 34°E .40 12.06

ANCH N3°W 1.68 13.74

6408 N4°W 4.47 8.28

TP2 8480 58°W 5.46 8.28

N8°W 6.00 14.28

11444 510°W 4.49 9.78

9.75 4.53

N9°W 4.70 13.87 9.87

8106 545°E 5.13 8.84

9411 546°E 8.90 5.07

942 4.05

574°E 7.48 12.48 5.00

N2°W 4.80 8.57

10.80 1.28

1425 4.35 8.19

3436 38°W 4.79 8.69

N3°W 4.90 10.59

6174 58°W 4.83 7.76

10.00 8.59

William E. Godwin

Sta	Bearing	BS	HI	FS	Elev
0+0	S 47° W	2.70	14.70		12.00
				5.20	9.50
3+50	S 47° W			3.46	11.30
4+85	S 47° W			3.80	10.90
7+10	S 47° W			4.00	10.70
				6.45	8.25
8+85	N 47° E			4.05	10.65
11+00	N 47° E			3.80	10.90
12+90	N 47° E			4.00	10.70
		3.90	14.60		
				6.10	8.50
15+00	S 47° E			3.90	10.70
16+60	S 42° E			4.10	10.50
18+60	N 52° E			3.55	11.05
	S 52° W	4.35	15.40		
20+75	S 52° W			4.55	10.85
21+75	S 52° W			4.85	10.55
				8.00	7.40
				8.05	7.35
				7.95	7.45
				8.45	6.92
				9.15	6.25
				9.30	6.10

7/11/58

21.

Distance	Cut	Remarks
780		
200	780	stake south side of field
		Ditch between Goshwa - Service
530		
100	530	stake
530		
235	295	stake
435		
360	70	stake
		Ditch 20" at bottom
455		
350	105	stake
540		
220	320	stake
655		
145	510	stake at road
640		
250	390	BS on 12+90
		Ditch at 12+90 at rd
480		
300	180	stake
420		
400	20	stake at corner of road
400		
300	100	stake in woods
605		
275	330	BS on 18+60
505		
300	115	stake
490		
480	15	stake at Hwy 165
		Ditch
		culvert intake
		" outlet
		Hwy ditch
		" "
		ditch front of Evergreen

Community Project

Sta	BS	HI	FS	Elev	
0+0	5.18	15.18		10.00	66.
			7.15	4.03	3
			10.10	5.07	6
			10.10	5.18	7
			9.90	5.28	12
			9.94	5.20	15
			7.15	8.03	18
			5.00	9.98	21

4+50			^{TP} 3.34	11.62	
2+40	3.90	15.52			
			4.70	10.82	66
			7.15	6.37	3
			7.65	5.87	7
			7.60	5.92	11
			9.50	6.02	13
			7.90	7.62	18
			5.10	10.42	21

11+90			^{TP} 3.75	11.62	
18+00	4.40	16.02			
			3.90	12.12	66
			6.90	9.12	3

650

200	450
590	
300	250

610	
100	450
910	
200	610

Community Project

Sta.	BS	HI	FS	Elev	
		16.02	8.90	7.12	6
			9.40	6.62	5
			9.10	6.92	12
			9.20	6.82	15
			8.40	7.62	18
			7.80	11.22	20
27+80	4.35	16.35		12.00	64
31+10			7.50	8.85	5
			7.40	8.95	9
			7.18	12.17	14

Lee Salmons & Others 23

C. E. Upton Jr 8/13/58
 Lateral West Bay New

Sta	Bearing	BS	HI	FS	Elev
140	520°W	3.50	11.50		8.00
				8.30	3.20
2100	518°W			3.65	7.85
3470	517°W			3.90	7.60
5150	512°W			3.80	7.70
7145	583°E			3.85	7.65
9105	N26°E			3.80	7.70
	571°W	3.70	11.40		
10190	525°W			3.70	7.30
13145	N20°E			4.25	7.15
				6.15	5.25

Width 670'

24

Land

Distance	Cut	Remarks
720 740'	43	Stake at South Woods Ditch at 0+0
640 540'	45	Stake
575 370'	42	Stake
480 190	43	Stake
395 20	40	Stake
290 180	42	Stake
255 230		As on 9405
370 45	38	Stake
310 170	32	Stake 40' from road Ditch

C. C. Hickman

8/18/58

Lead on East Side Farm

Sta	Bearing	B.S.	Ht.	F.S.	Elev.
0+0	N25°E	3.54	15.54		1200
				8.50	7.24
				8.10	7.44
				6.28	7.26
				6.70	8.24
14.87	S30°W			2.90	12.64
				6.75	9.29
	N63°E	3.85	16.49		
3+32	S31°W			3.90	12.59
5+62	S31°W			3.80	12.69
	N32°E	4.50	17.19		
				7.30	9.89
7+62	N20°E			4.50	12.69
9+72	S26°W			3.65	13.54
				6.15	11.04
11+12	S26°W			3.60	13.59
	N25°E	4.20	17.79		
				7.35	10.44
13+62	N32°W			3.35	14.44
15+52	N32°W			2.50	15.29
	N26°E	2.50	17.79		
				6.70	10.89
17+12	S33°W			4.00	13.79
17+52	S30°W			3.95	13.84
21+42				3.00	14.79
				6.65	11.14

Distance	Cur	Remarks
~~770~~ 331 32	4 ²	Stake at Man. Lead of 040 Ditch at 040 Ditch of Intake Culvert Intake 30" D.
~~770~~ 215 135	5 ²	Stake at woods Ditch at 1487 BS on 1487
410 ~~353~~ 55		BS on 1487
~~495~~ 225 200	5 ⁰	Stake
~~630~~ 400 430	4 ⁸	Stake
~~560~~ 330 230		BS on 5+62 Ditch Top 14' 146
~~465~~ 235 30	4 ⁵	Stake
~~450~~ 220 180	5 ⁰	Stake
~~620~~ 320 320	4 ⁸	Ditch Top 14' 64 Stake
~~406~~ 335 170		BS on 1462 Ditch Top 12' 64'
375 ~~295~~ 80	5 ⁴	Stake Edge of field
410 ~~200~~ 200	5 ⁰	Stake
~~350~~ 150 200		BS on 15012 Ditch Top 10' 114
415 ~~385~~ 30	4 ⁰	Stake
~~495~~ 245 200	4 ⁰	Stake
~~690~~ 300 370	4 ³	Stake at Man. B Ditch Top 10 B 4

CC. Hickman

8/19/58

Sta	Bearing	BS	HI	FS	Elev.
9-10 (5+62)	N45°E	5.70	18.39		12.69
1+65	N76°W			4.05	14.34
	S48°E	3.80	18.14		
4+15	N56°E			4.60	13.54
7+15	N53°W			2.60	15.54

Distance Cut

580		
500	20	41
440		
375	195	50
445		
315	140	
270		
400	120	32
310		
240	40	40

BS on 5162

stake at 1100

BS on 1465

stake

stake at 1000

Brown - Adams & Falconer 8/19/58

Sta	Bearing	BS	HI	FS	Elev
0+0	S52°E	3.40	15.40		12.00
				7.65	7.75
1+70	N74°W			4.20	11.40
				7.60	7.80
3+25	N73°W			4.35	11.05
	S42°E	4.20	15.25		
				7.80	7.45
5+45	N65°W			4.45	10.80
7+65	N66°W			4.70	10.55
9+75	N62°W			5.70	9.55
	S28°E	4.50	14.05		
				2.35	6.70
12+05	N2°W			3.60	10.45
	S	4.80	15.25		
14+25	N25°E			4.85	10.40
				10.50	4.75

Distance	Foot	Remarks
150	43	stake
		Ditch
20	40	stake
525		Ditch Top 8' R3
350	175	41 stake
550		
400	150	RS on 3+25
		Ditch Top 6' R3
180		
410	70	43 stake
160		
320	270	45 stake
820		
320	500	40 stake
510		
270	120	RS on 3+75
		Ditch Top 6' R3
415		
305	110	53 stake
275		
215	210	RS on 3+75
190		
170	10	56 stake of land
		near ditch

Bennett Kettrell 9/2/58

Sta	Bearing	BS.	HI	FS	Elev
0+0	S 6° E	3.30	18.30		15.00
				8.11	10.20
1+90	S 6° E			4.30	14.10
3+85	S 6° E			4.45	13.85
				7.35	10.95
5+60	N 6° W			4.75	13.55
	S 6° E	4.70	18.25		
7+40	N 6° W			4.45	13.50
	S 6° E	4.60	18.40		
				7.10	11.30
9+25	S 6° E			4.25	14.15
10+90	S 75° W			4.10	14.30
	N 75° E	3.80	12.10		
12+30	S 75° W			4.10	14.00
				6.80	11.30
13+85	N 10° W			3.90	14.40
	S 10° E	3.50	17.90		
15+25	N 10° W			3.65	14.25
17+45	N 10° W			3.95	13.95

Distance	Cut	Remarks
510	450 48	Stake East side of field
515		Ditch
520	260 41	Stake
525	65 37	Stake
530		Ditch 3' T & B
535	110 34	Stake
540	140	B.S. on stake
545	40 36	Stake
550	165	B.S. on 7' 40
555		Ditch 2' T & B
560	20 40	Stake at corner
565	165 42	Stake
570	130	B.S. on 10' 90
575	10 38	Stake at corner
580		Ditch 2' T & B
585	155 42	Stake
590	110	B.S. on 12' 85
595	90 40	Stake
600	200 38	Stake

J. B. Dudley 9/10/53

Sto	Bearing	BS	HI	FS	Elev
0+0	S18°W	4.18	8.18		4.00
				8.30	-0.12
				5.30	2.88
1+37	N15°W			3.72	4.46
2+50	N12°W			2.90	5.28
	S21°W	3.92	9.20		
4+40	S4°E			4.23	4.97
6+14	N5°W			4.34	4.86
	N83°W	4.14	9.00		
8+14	N54°W			3.87	5.13
10+20	S58°E	V. Bucked ↓		4.25	4.75
				6.20	2.80
	S33°W	4.82	9.57		
12+15	S73°E			4.32	5.25
13+80	S74°E			4.38	5.19
	N73°W	3.60	8.79		
15+78	N70°W			3.33	5.46
17+90	S65°E			4.19	4.60
19+42	S58°E			4.07	4.72
21+30	S72°E			3.65	5.14

Back Portion Home Farm

21.

Distance	Cut	Remarks
448 333 60	3 ⁶	Stake of Creed Creek 0+0+0 W.L. at 0+0
410 333 77	4 ⁰	Stake
335 190	4 ⁷	Stake
518 266 252		B.S. on 2+50
454 392 62	4 ⁴	Stake end North W.L. Run
490 112	4 ¹	Stake North Bdy
530 232		B.S. on 6+14
406 368 38	4 ³	Stake
505 357 168	3 ⁸	Stake Outlet Cross Swall
		GL in Swall
564 403 161		B.S. on 10+20
442 422 20	4 ²	Stake
525 353 172	4 ⁰	Stake
515 310		B.S. on 13+80
390 278 112	4 ²	Stake
483 373 110	3 ²	Stake
537 275 262	3 ⁴	Stake
590 450	3 ⁷	Stake NE Corner

J.B. Dudley 9/10/58

Sta	Bearing	BS	HI	FS	Elev.
	N3°E		10.50	5.36	5.14
0+0	533°E			6.45	4.05
	585°E	4.40	8.45		
2+38	554°W			4.10	4.35
3+98	553°W			3.50	4.95
	N87°E	3.90	8.85		
5+93	N89°E			4.30	4.55
8+07	N89°W			4.98	3.87
9+61	N88°W			3.75	5.10
	585°E	4.10	9.20		
11+62	N83°W			4.58	4.62
13+56	N84°W			4.95	4.25
14+81	N83°W			4.75	4.45
					- 0.12
					2.88
	N58°W	4.55	8.60		4.05
14+85	515°E			3.48	5.12
	N53°W	2.70	7.82		
3+85	N7°E			3.85	3.97
5+60	E034			3.60	4.22
	510°W	4.15	8.37		
7+89	516°W			4.47	3.70
				3.25	5.12
8+72	N2°E			5.90	2.47
				5.30	3.03

Ditch Around South Side
Back Field - Home Farm 30

Distance	Cut	Remarks
712		
375	327	BS on 21+30
437	185	3 ⁵ stake SE Cr. ^{Large} Field
532	198	BS on 0+0
427		
393	43	3 ⁷ stake
450		
250	200	4 ³ stake
535		
240	295	BS on 3+95
480		
380	100	4 ⁰ stake
554		
440	114	3 ⁵ stake
508		
240	268	4 ⁶ stake
475		
345	130	BS on 9+61
495		
424	71	4 ² stake
625		
360	265	3 ⁹ stake
670		
280	390	4 ¹ stake at Canal
		Canal
		W.L. in Canal
493		
418	75	BS on 0+0
402		
292	110	4 ⁵ stake
370		
170	200	BS on 1+85
390		
330	10	3 ⁴ stake
450		
275	170	3 ⁵ stake SE Corner
557		
275	282	BS on 5+60
473		
420	53	3 ⁴ stake
340		
310	30	4 ⁴ stake at 60+
		Ditch at 8+72
		W.L. at 8+72

BROWN Bros. 9/15/56			
Sta	Bearing	BS	HI FS Elev
0+0	N17°W	4.25	16.25 12.00
			9.50 6.75
			7.50 5.75
1+60	S19°E		1.70 14.35
	N19°W	6.20	20.55
2+90	S19°E		4.10 16.45
5+50	S19°E		4.05 16.50
7+45	S19°E		3.90 16.65
8+95	S19°E		3.70 16.85
	N19°E	4.90	21.75
			7.40 14.35
11+40	S19°E		4.40 17.35
12+40	S19°E		4.20 17.55
			7.10 14.65
	N19°E	4.65	22.20
14+10	N19°E		4.25 17.45
16+10	N19°E		4.40 17.30
			7.10 15.10
17+25	S19°E		4.75 17.45
	N13°W	4.40	21.85
19+15	N12°W		4.20 17.45
			6.45 15.40
21+45	S13°E		4.20 17.65

Distance	Lat	Remarks
335	65	4.7
		Stake at main line
		Ditch bottom
		W.H.
240		
145	95	58
		Stake
205		
240	165	
		BS on 1460
330		
305	35	70
		Stake
470		
345	125	50
		Stake
500		
230	320	49
		Stake
370		
20	470	51
		Stake
570		
405	165	
		BS on 5150
		Ditch Top 5' B2
470		
415	80	54
		Stake
530		
350	180	55
		Stake
		Ditch Top 5' B2
170		
100	300	
		BS on 12440
500		
380	200	53
		Stake
K		
		51
		Stake
		Ditch Top 5' B2
570		
415	185	51
		Stake
530		
350	180	
		BS on 12440
470		
415	60	50
		Stake edge of field
		Ditch Top 5' B2
515		
350	174	50
		Stake

BRAIN BOLD.

S/L	Direction	BS.	HL	FS	ELC
13+80	S12°E		21.85	3.95	17.90
26+45	S12°E			3.50	18.35
	N12°W	3.85	22.20	-	
28+50	N12°W			3.90	18.30
30+42	N12°W			4.00	18.20
				6.25	15.95
32+50	S12°E			3.60	18.60
34+15	S12°E			3.25	18.95
35+90	S12°E			3.80	19.20
	N12°W	3.60	22.80		
39+00	S12°E			4.30	18.50
				7.40	15.40
				4.80	18.00
				7.65	14.15

Distance	Lat	Remarks
605	5 ¹ / ₂	stake
610	5 ⁴ / ₂	stake
620		BS on 56 feet
630	5 ¹ / ₂	stake
640	4 ⁹ / ₂	stake
650		Ditch to top of B1
660	5 ² / ₂	stake
670	5 ⁴ / ₂	stake
680	5 ⁵ / ₂	stake
690		BS on 35 feet
700	4 ⁵ / ₂	stake at H.W.
710		Ditch at H.W.
720		center of ditch
730		Ditch at H.W.

L. J. COBBY

Sta	Bearing	BS	HI	FS	Elev
0+0	N62°E	4.65			

10.00

1+20	N62°E			4.60	
------	-------	--	--	------	--

3+65	N62°E			4.70	
------	-------	--	--	------	--

5+80	N62°E			4.60	
------	-------	--	--	------	--

8+00	S62°W			4.00	
------	-------	--	--	------	--

10+40	S62°W			3.65	
-------	-------	--	--	------	--

2nd ditch from Woods E. Side

N31°E 4.90

0+0	S60°W			5.15	
-----	-------	--	--	------	--

1+80	S60°W			4.35	
------	-------	--	--	------	--

3+25	S60°W			4.35	
------	-------	--	--	------	--

5+35	N60°E			4.45	
------	-------	--	--	------	--

7+20	N60°E			5.20	
------	-------	--	--	------	--

9+35	N60°E			5.80	
------	-------	--	--	------	--

10.50

Distance	Out	Remarks
753		
1735	580	stake at Hwy Ditch bottom
670		
260	410	stake
580		
365	215	stake
485		
435	50	stake
470		
315	170	stake
670		
160	410	stake
715		
265	440	135 on 10th
710		
325	385	stake south end
340		
335	205	stake stake
470		
420	10	stake
720		
370	130	stake
700		
650	330	stake
850		
250	400	stake at Hwy

L.J. Casey

Ditch on East side of road

Sta. Beginning BS HI FS ELEV

523°E 2.90

0+0 N65°E 5.35

8.90

2+00 N63°E 3.95

4+00 N63°E 4.01

6+00 N63°E 4.10

7+85 S63°W 4.15

9+50 S62°W 3.25

Distance	Lat	Remarks
240		BS on 3475
280	390	stake at 400
320	600	Ditch bottom
395		stake
445	400	stake
500		stake
500	200	stake
π		stake
505		stake
721	185	stake
500		stake in front of house
730	350	

L J Casey

Ditch along East line

Sta.	Bearing	B.S.	H.I.	I.S.	Elev.
0+0	N 68° E	4.55			
1+85					4.40
					5.60
3+25	N 68° E				4.65
					5.50
5+25	N 68° E				4.30
7+15	N 68° E				4.20
					5.45
9+25	S 68° W				4.10
					5.65

560° W 770'
 N 53° E 1100'
 660'
 400'

348° W 250' 215°
 N 43° E 283'

1/4/59 North Bridge

327° W 122'
 N 23° W 520'
 S 25° E 1250'
 N 24° W 1220'

Distance	Eat	Remarks
245 300	185	BS on 9-50 stake Ditch.
535 395	160	stake Ditch
530 330	200	stake
515 325	190	stake
515 305	210	Ditch. stake at road. Ditch.

A on large stump.

T.P. Edge Sand Ridge

West Edge Sand Ridge

East Edge Sand Ridge

A on Curve

At Dozier Bridge

BS on Bridge

1st 500' above bridge 35'

BS on TP

At Camp

A. C. Brown & Others Wilson & Sawyer

Sta	Bearing	BS	HI	FS	Elev
0+0	N75°E	4.30	14.30		10.00
				6.50	7.80
				5.00	9.30
2+10	N75°E			4.20	10.10
3+70	S69°W			3.90	10.40
	N74°E	4.30	14.60		
5+90	N74°E			4.10	10.50
7+15	S89°W			3.90	10.90
	N54°E	3.50	14.40		
8+90	N54°E			4.10	10.30
11+05	N84°W			3.50	10.90
	N60°E	4.15	15.05		
12+95	N60°E			4.25	10.80
14+95	S63°W			3.40	11.65
	S60°E	4.00	15.65		
16+85	S55°E			4.25	11.40
18+25	S65°W			3.85	11.80
	S85°E	3.50	14.90		
21+05	S65°W			3.25	11.20
	S65°E	4.20	15.90		
23+85	S65°E			4.50	11.40
25+95	N65°W			3.90	12.00
	S61°E	4.05	16.05		
27+10	N45°W			3.94	12.14
				6.60	7.55
				5.00	11.05

7-30-58

36

Distance	Alt	Remarks
410 350 210	38	Stake at base high station
410	38	Stake
410 310 140	40	Stake
530 310 220		B.S. on 3470
410	40	Stake
410 310 125	43	Stake
360 310 140		B.S. on 2415
410	37	Stake
410 350 220	40	Stake
510 330 170		B.S. on 2470
410	40	Stake
410 350 220	43	Stake
510 410 170		Point 14+40
410	43	Stake
410 310 140	46	Stake
390 310 150		B.S. on 2545
410 350 150	40	Stake
560 280 280		B.S. on 2145
410	41	Stake
560 300 210	44	Stake
72'		B.S. on 2545 Rel. off
450 330 113	45	Stake
		Dir. of 87.1 (25.0)
		W. of 77.50

A.C. Brown

E O'Hara
10/9/58

Sta	Bearing	B.S.	H.I.	F.S.	Elev
29+77	N64°W		16.08	3.48	12.60
	558°E	3.40	16.00		
31+85	559°E			3.48	12.52
33+81	577°E			3.63	12.37
				6.43	9.57
				5.33	10.67
36+07	N31°W			3.56	12.44
	565°E	4.70	17.14		
38+06	564°E			5.02	12.12
40+12	N45°W			4.48	12.66
42+35	N53°W			3.77	13.37
44+85	N53°W			2.60	14.54
	546°E	3.20	17.74		
46+69	542°E			3.82	13.92
				8.40	9.34
				6.90	10.84
48+88	N18°W			3.38	14.36
50+87	N22°W			3.20	14.54
52+07	N27°W			3.15	14.59
	N80°E	3.97	18.56		
54+01	N40°W			4.15	14.41
55+86	N50°W			3.70	14.86
	568°E	4.20	19.06		
57+83	573°E			3.77	15.09
				6.35	12.71
				6.05	13.01

Community Ditch into 37, Crooked Branch

Holmes & Sawyer
Remarks

503		47	stake
565	310		
115	453		B.S. on 29+77
470		47	stake
225	245		
387		45	stake
338	49		
		(2 1/2 x 6)	Ditch at 33+81
			W.L. at 33+81
447		44	stake
270	177		
335	330		B.S. on 36+07
568		41	stake
437	131		
485		45	stake
410	75		
528		50	stake
230	298		
534	548	59	stake
470			
173	297		B.S. on 44+37
450		50	stake
337	113		
		(5 1/2 x 7)	Ditch at 46+69
			W.L. at 46+69
390		53	stake
284	106		
475		52	stake
170	305		
530		51	stake turn into old ditch
105	425		
422			
373	49		B.S. on 52+07
470		47	stake
345	145		
205	330	42	stake
330			
290	260		B.S. on 55+86
428		48	stake opp. Tenant House
365	63		
		(2 1/2 x 3)	Ditch at 57+83
			W.L. at 57+83

A.C. Brown & Others

Sta	Bearing	B.S.	H.I.	F.S.	Elev.
59+86	N72°W		19.06	347	15.59
61+88	N75°W			285	16.21
64+16	N76°W			190	17.16
	538°E	4.05	21.21		
65+88	538°E			410	17.11
68+04	N28°W			384	17.37
				830	12.91
				795	13.26
70+91	N39°W			370	17.51
	575°E	4.35	21.86		
72+93	557°E			367	18.19
75+00	N32°E			323	18.63
				892	12.94
				812	13.74
				925	12.51
				908	12.78
				990	11.26

Community Ditch (Hulme & Sawyer)

10/9/55

38

Distance	Cut	Remarks
416		
276 140	5 ⁰	5+0.50
457		
115 342	5 ⁴	5+0.50
475		
570	6 ²	5+0.50
580		
350		BS on 64+16
498		
320 178	6 ⁰	5+0.50
413		
375 38	6 ³	5+0.50 at Farm Road
	(4' x 6')	Ditch at 68+04
		WL of 68+04
530		
205 325	6 ²	5+0.50 Curve in Road
640		
230 410		BS on 70+91
470		
262 205	6 ³	5+0.50
330		
315 15	7 ²	5+0.50
		Ditch at Culvert
		WL of 75+00
2.36" D		Culvert Outlet
		Ritch of Intake
		Culvert Intake

Levy Whitehurst & Others

3+0	Bearing	B.S.	E.L.	F.S.	Elev.
0+0	N27°E	3.70	13.70		18.00
				585	7.95
				525	8.35
2+10	N45°E			415	9.65
4+15	S22°W			368	10.02
6+25	S22°W			3.75	8.95
	N22°E	3.75	13.70		
8+14	N22°E			412	9.58
				650	7.20
				6.00	7.70
10+25	N35°E			402	9.68
12+40	S22°W			302	10.68
				6.90	6.80
				580	7.90
14+35	S20°W			400	9.70
	N22°E	4.20	13.90		
16+49	N19°E			383	10.07
				7.60	6.30
				6.60	7.30
18+26	S21°W			410	9.80
	N20°E	3.58	13.38		
20+56	S27°W			3.72	9.66
	N20°E	3.70	13.36		
22+72	S30°W			362	9.74
	N30°E	4.30	14.04		

Na Fork Nonnets Creek 39,
(Holmes & Sanger) 10/6/58

Distance	Cut	Remarks
480 227 823	4 ⁶	stake of Hwy. Ditch at 01-50 W.L. at 01-50
417 341 22	4 ³	stake
423 353 122	4 ⁶	stake
530 178 402	4 ⁷	stake
530 150 420		B.S. on 6125
529 295 231	4 ⁴	stake
		Ditch at 9130 2'x2'
416 391 20	4 ⁵	stake
400 205 195	5 ⁶	stake of Meadows Ditch at 12140 2'x2'
		W.L. at 12140
505 390	4 ⁶	stake
546 297 251		B.S. on 14135
502 363 37	5 ¹	stake
		Pass Loc. Meadows W.L. at 16142
480 140	4 ⁸	stake
445 275 170		B.S. on 18126
401 342 59	4 ⁸	stake
432 124		B.S. on 20156
410 315 72	4 ⁸	stake
480 375 105		Top of Vaughan North Bdy

Ledy Whitehurst & others

St	Bearing	BS	HI	FS	Elev
25447	513°W		14.04	3.90	10.14
				7.65	6.39
				7.15	6.89
27417	516°W			4.58	9.46
	N25°E	2.90	12.36		
29417	N27°E			3.20	9.16
31457	522°W			3.88	8.48
	N21°E	4.56	13.06		
33418	N20°E			5.10	7.96
34466	528°W			3.75	9.31
				8.40	4.66
				8.10	4.96
				10.10	2.96

No. Fork N. B. N. S. Canal 40.

10/6/55

Distance	Cut	Remarks
475 305 170	5 ⁰	stake 213 Ditch at 26100
630 290 340	5 ³	W.L. of 26100 stake
474 368		AS. on 27417
405 238 167	5 ¹	stake
425 332 73	4 ⁷	stake in Kippeni Bay
607 310 297		AS. on 31157
578 442 136	4 ⁶	stake
383 371 12	6 ³	stake at McConnel Ditch of 34166 W.L. of 34166 McConnel Cut

C.M. Vaughan & W.B. Munden

Sta	Bearing	B.S.	A.I.	F.S.	Elev
	51°W	3.35	9.35		800
010	517°E			394	541
T1+35				685	250
				565	370
1410	546°E			378	557
TP	N48°W	3.87	9.34		
3400	N84°E			360	574
TP	N52°W	4.32	10.06		
5100	514°E			118	888
TP	N23°W	6.80	15.68		
	N63°W			307	12.61
6475	N55°E			390	11.78
TP	N16°W	340	15.18		
8435	N26°W			350	11.68
10448	522°E			428	10.90
12453	519°E			395	11.23
TP	N57°W	3.75	14.98		
14440	N58°W			380	11.18
16460	N59°W			385	11.63
18475	522°E			374	11.24
21415	538°E			160	13.38
TP	N5°E	3.95	17.33		
23459	N5°E			340	13.73
25279	N5°E			385	13.48
27497	524°W			369	13.64

Holmes & Snyder 10/5/58

41.

Distance	Cut	Remarks
405		BS on old line 0+0
270	135'	~~Top of stk.~~
404		Start of Creek
384	20	Creek Bottom
		WL. of 0+0
430		
325	105'	Stake at Cypress ^{Southside}
452		
323	130'	BS on 1+0
396		
324	72	Stake North Side
490		
374	116	BS on 3+00
151	86	Stake
770		
590	180	BS on 5+00
314		
300		TBM Pine Stump
400		
382	86'	Stake
515		
165	350	BS on 6+75
445		
255	190	Stake
440		
417	23	Stake
505		
280	228	Stake
675		
75	600	BS on 12+53 ^{10/1/58}
583		
175	413	Stake
453		
240	193	Stake
397		
253	44	Stake
292		
	264	Stake edge Open Field
662		
128	534	BS on 24+15
488		
198	290	Stake
425		
345	50	Stake
478		
360	138	Stake

C. M. Vaughan \$ W.B

Sta	Bearing	B.S.	H.I.	F.S.	Elev.
30+16	518°W		17.33	5.90	11.43
^{TP} 1	N15°E	5.38	16.81		
32+36	N10°E			4.16	12.65
				6.14	10.67
34+21	522°W			3.00	13.81
36+04	523°W			3.70	14.11
				6.35	10.46

Mud 0.072
Holmes

10/10/58 42.

Distance	Cut	Remarks
774		
417 357	3 ⁴	stake and wood
670		BS on 30-16
410 260		
437		
397 40	4 ⁰	stake
		Cross Ditch
373		
228 145	5 ⁰	stake
434 323	5 ⁰	stake of Cross Less
		Cross Less

William F. Godwin 10/29/58

Sta	Bearing	BS	HI	FS	Elev.
²⁰⁺³⁰ 0+0	S 95° W	3.40	18.95		15.55
1+60	S 43° W			3.75	15.25
3+95	S 40° W			3.55	15.40
4+95	N 45° E			4.15	14.80
6+75	N 45° E			4.05	14.90
8+70	N 45° E			4.05	14.95
10+90	N 45° E			4.10	14.85
	S 33° W	7.15	19.00		
12+50	S 33° W			4.20	14.80
14+35	N 33° E			4.00	15.00
16+55	N 33° E			3.35	15.45
				7.00	12.00

Distance		Cat	Remarks
350	550	44	B5 at 3500
350	370	41	stake
350	115	42	stake
350	45	35	stake
350	225	35	stake
350	420	35	stake
350	640	31	stake at station road
350	350		B5 on 10-90
350	160	32	stake
350	55	33	stake at station
350	210	32	stake at station
			4000 feet

North Ogish's Bridges

11/3/55

15.555 403.95

Bridge to Cypress

215'

Cypress to E. C. clearing

820

For Est #8

2/14/57

940'

940'

330

8.30

5.00

55.0

2.80

11.00

- 2.70

12.00

- 3.70

11.00

- 2.70

T.P. 1

1520'

1520'

1.20

7.10

560

2.70

10.60

- 2.30

10.70

- 2.40

11.00

- 2.70

11.00

- 2.70

45.2

11.22

7.10

936

2.86

390

5.32

8.35

2.87

11.85

- .63

12.55

- 1.63

12.85

- 1.43

11.35

- .14

224'

531' from start of 11/55

Ridge on Road from Colored House

Distance

940

- 689

Ridge on Est #7

Ridge on Est #9

251'

for Est #9

55 on Top by Ridge

G.L.

Top Water

6' from Bank

12' " "

18' " "

G.L. of T.P.

W.L. of T.P.

6' from Bank

12' " "

18' " "

24

454

370

84'

665

525

140'

B.S. on T.P.

W.L. of T.P.

at start of 1st cut

W.L.

6' from Bank

12' " "

18' " "

24' " "

to Marked Point

Sawyer Bros 900

Sta.	Bearing	BS	HI	FS	Elev
0+0	N82°E	4.50	14.50		10.00
				10.80	3.70
				10.00	4.50
2+00	N82°E			4.90	9.60
4+10	N82°E			4.70	9.80
6+20	N82°E			4.65	9.85
8+15	S82°W			4.40	10.10
10+05	S82°W			4.05	10.45
12+15	S82°W			4.40	10.10
	N82°E	4.00	14.10		
14+40	N82°E			4.00	10.10
16+60	N82°E			3.90	10.20
18+85	N82°E			4.05	10.05
20+80	S82°W			4.20	9.90
22+35	S82°W			3.90	10.20
24+15	S82°W			4.10	10.00

11-10-58

45.

Distance	Cat	Remarks
750		
300	450 55	stake at Lead
		Ditch Bottom
		Wh
750		
300	450 4.9	stake
590		
350	240 59	stake
480		
450	30 48	stake by tree
525		
360	165 49	stake
585		
230	355 51	stake
960		
400	560 46	stake
945		
200	745	B.S. on 12.4.15
720		
280	520 44	stake
540		
240	300 44	stake
445		
375	75 41	stake
480		
360	120 32	stake
525		
250	275 39	stake
440		
185	455 36	stake at west side

Sawyer Pass.

Sta	Bearing	BS	HI	FS	Elev
	S 26° E	3.75	13.85		10.10
0 + 0	N 82° E			4.20	9.65
				9.70	4.15
				8.80	5.05
1 + 90	N 82° E			3.75	10.10
4 + 20	N 82° E			4.10	9.75
6 + 25	N 82° E			4.05	9.80
9 + 10	S 82° W			4.50	9.35
11 + 30	S 82° W			3.85	10.00
	N 82° E	3.65	13.65		
13 + 40	N 82° E			3.25	10.40
15 + 60	N 82° E			3.85	9.80
17 + 60	N 82° E			3.75	9.70
19 + 25	S 82° W			4.00	9.65
21 + 20	S 82° W			3.85	9.80
22 + 90	S 82° W			3.50	10.15

Distance	Cat	Remarks
740		BS on 8+15
120	640	
1000		stake at head
300	700	Ditch Bottom
		W.H.
710		
200	510	stake
550		
270	280	stake
140		
250	75	stake
555		
245	210	stake at path
730		
200	430	stake
268		
40	460	BS on 11+30
550		
200	450	stake
500		
270	230	stake
140		
270	30	stake
150		
200	135	stake
50		
220	330	stake
100		
100	500	stake at west side

West Neck Road 10/14/58 - 11/13/58

Lower End:

Curve below R.R. to end Const 730'
Curve to end Clearing as of 10/14/58 212'
End Clearing 10/14/58 to end Const 1900'
2742'

Cross section 61+00

Sta.	BS	HI	FS	Elev.
61+00	0.72	8.47		7.75
			1.04	7.43
			1.52	6.95
			2.37	6.10
			3.14	5.33
			4.08	4.39
			5.27	3.20
			6.21	2.26
			7.37	1.10
			8.93	-0.46
			9.90	-1.43
			10.50	-2.03
			10.70	-2.23
			10.72	-2.25
			10.20	-1.73
			10.10	-1.63
			9.05	-0.58
			7.50	0.97
			6.02	2.45
			4.54	3.93

(193' Clearing 10/14/58 to RR tracks)

Excav. & Clearing

Excav. & Clearing

Excavation Only.

total Excav.

(942' Clearing)

Remarks

AS on 62+00

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

GL + 54

West Neck 6400

Sta	BS	HI	FS	Elev
		8.47	3.38	5.09
			1.28	6.69
			0.38	8.09
			0.00	8.47

Cross section 66+65

66+65	0.42	9.87		9.25
			1.72	8.15
			2.73	7.14
			4.02	5.85
			5.42	4.45
			6.53	3.34
			7.53	2.34
			8.60	1.27
			9.43	0.44
			10.90	-1.03
			11.40	-1.53
			11.50	-1.63
			11.30	-1.43
			10.50	- .63
			9.52	1.35
			8.40	1.47
			7.10	2.77
			5.75	4.12
			4.34	5.53

Remarks

GL + 57

GL + 60

GL + 63

GL + 65

B5 on 66 + 65

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

West Neck
Conto. 66+65

Sta.	B.S.	H.I.	F.S.	Elev.
		9.87	3.06	6.81
			2.12	7.75
			0.98	8.89

Cross Section 70+66

70+66		13.13	0.77	12.36
			1.93	11.20
			3.57	9.56
			5.00	8.13
			6.74	6.39
			8.02	5.11
			9.28	3.85
			11.18	1.95
			12.88	0.25
			12.78	0.35
			12.48	0.65
			12.48	0.65
			12.38	0.75
			10.90	2.23
			9.12	4.01
			7.60	5.53
			6.25	6.88
			4.75	8.38
			3.50	9.63
			2.25	10.88

Remarks

GL+54

GL+57

GL+60

GL

GL+3

GL+6

GL+9

GL+12

GL+15

GL+18

GL+21

GL+24

GL+27

GL+30

GL+33

GL+36

GL+39

GL+42

GL+45

GL+48

GL+51

GL+54

GL+57

West Neck

Sta	BS	HT	FS	Elev
		13.13	.90	12.23
			.35	12.78

Cross Section Hub #5

40	14.00		1360
		1.50	12.50
		2.47	11.53
		3.68	10.32
		5.88	8.92
		6.18	7.92
		7.48	6.52
		8.65	5.35
		9.80	4.20
		11.00	3.00
		12.10	1.90
		12.35	1.65
		12.60	1.40
		12.80	1.70
		12.20	1.80
		11.70	2.30
		10.25	3.75
		8.93	5.07
		7.26	6.74
		5.85	8.15
		4.30	9.70
		2.98	11.02
		1.60	12.40
		.60	13.40

Reminders

GL + 60

GL + 63

B5 on Hub #5

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

GL + 54

GL + 57

GL + 60

GL + 63

West Neck From Page 74

Sta	Bearing	B.S.	HI	F.S.	Elev
			814	4.70	3.44
				3.75	4.39
				2.70	5.44
				1.85	6.29
				.60	7.54
				5.80	2.34

9/13/56

240
-0.35 8.33 868

Distance
188
580

768'

.72 7.61
1.05 7.28
1.87 6.46
2.88 5.45
3.67 4.66
4.50 3.83
5.70 2.63
6.57 1.46
7.55 .48
8.24 .09
8.08 .25
8.28 .05
8.17 .16
8.17 .16
5.93 2.30
3.38 4.95

±

A.T. Taylor Cross Section 51
of pairs 51

Distance

ON 50+10

Remarks

G.L. + 57

+ 60

63

66

69

655
520

145

Distance to Hwy

Cross sectioned ON Sta 54+70

338
150 188

At Hwy. 632

B.S. on 54+70

G.L.

G.L. + 3

G.L. + 6

G.L. + 9

G.L. + 12

G.L. + 15

G.L. + 18

G.L. + 21

G.L. + 24

G.L. + 27

G.L. + 30

G.L. + 33

G.L. + 36

G.L. + 39

G.L. + 42

G.L. + 45

West Neck:

Sta	Bearing	BS	HI	FS	Elev
			8.33	3.90	4.33

Cross Section

1.03	8.78		7.75
------	------	--	------

1.35	7.43
------	------

1.46	7.32
------	------

2.28	6.50
------	------

3.15	5.63
------	------

3.97	4.86
------	------

4.73	4.05
------	------

5.45	3.33
------	------

6.58	2.20
------	------

7.46	1.32
------	------

8.63	0.15
------	------

9.96	-1.18
------	-------

10.30	-1.52
-------	-------

10.35	-1.57
-------	-------

10.30	-1.52
-------	-------

10.10	-1.32
-------	-------

Distance

21'

355

376'

Distance
 $\begin{array}{r} 680 \\ 110 \\ \hline 570 \end{array}$

Remarks
 T/P on Curve

$\begin{array}{r} 115 \\ 86 \\ \hline 60+00 \end{array}$

B.S. on 60+00

G.L.

G.L. +3

+6

+9

+12

+15

+18

+21

+24

+27

+30

+33

+36

+39

+42

TO STAKE 63+87

West Neck

Sta	Bearing	B.S.	H.I.	F.S.	Elev
Hub #1	S38°E	192	6.57		479
				223	428
				352	2.99
				5.73	0.78
				7.00	-0.49
				8.80	-2.29
				10.00	-3.49
				10.15	-3.64
				10.10	-3.59
				9.60	-3.08
				9.45	-2.94
				7.80	-1.37
				5.72	0.79
				4.65	1.86
				3.87	2.64
				2.65	3.86
				2.10	4.41
				1.83	4.68
				1.63	4.88

Distance

Remarks

BS on H-6 #1

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

West Neck

Cross Section

Sta	Bearing	BS	LI	FS	Elev
Hub ^d 2	S 25° E	1.72	6.41		4.69
				2.16	4.25
				2.32	4.09
				3.17	3.24
				4.00	2.41
				5.12	1.29
				6.48	-0.07
				9.03	-2.62
				9.80	-3.49
Distance				10.15	-3.74
550'				9.80	-3.39
				8.65	-2.24
				6.75	-0.34
				5.50	0.91
				4.80	1.61
				3.95	2.46
				3.07	3.34
				3.20	3.21
				2.80	3.61

Hub #2

54,

Distance

Remarks

BS on Hub #2

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

West Neck

Sta	Bearing	BS	HI	FS	Elev
Hub #3	519°E	156	6.57		501
				210	4.47
				205	4.52
				255	4.02
				353	3.04
				498	1.59
				630	0.27
				790	-1.33
				960	-3.03
				1015	-3.58
				1020	-3.63
				950	-2.73
				800	-1.43
				755	-0.98
				612	0.45
				490	1.67
				400	2.57
				290	3.67
				208	4.49
				198	4.59
				200	4.57

Cross Section #3

55.

Distance

Remarks

BSON #45 #3

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

GL + 54

GL + 57

West Neck

Sta	Bearing	BS	HI	FS	Elev
Hub #4	4527° W	.76	7.20		6.44
				1.15	6.05
				1.38	5.82
				2.00	5.20
				2.70	4.50
				3.75	3.45
				5.05	2.15
				6.37	0.83
				7.57	-0.37
				8.85	-1.65
				8.85	-1.65
				8.90	-1.70
				7.90	-0.70
				6.62	0.58
				6.33	0.87
				6.05	1.15
				4.93	2.27
				4.48	2.72
				3.85	3.35
				3.37	3.83
				2.95	4.25
				2.65	4.55
				2.35	4.85

Cross Section No. 456

Distance

Remarks

BS on sub #4
6L

6L + 3

6L + 6

6L + 9

6L + 12

6L + 15

6L + 18

6L + 21

6L + 24

6L + 27

6L + 30

6L + 33

6L + 36

6L + 39

6L + 42

6L + 45

6L + 48

6L + 51

6L + 54

6L + 57

6L + 60

6L + 63

West Neck

Sta.	Bearing	BS	HI	FS	Elev
39+00	533°W	112	6.59		5.47
				153	5.16
				198	4.61
				253	4.06
				312	3.47
				372	2.87
				472	1.87
				558	1.01
				713	-0.54
				780	-1.31
				800	-1.41
				820	-1.61
				806	-1.47
				792	-1.33
				687	-0.88
				598	0.61
				483	1.76
				408	2.51
				337	3.22
				300	3.59
				217	4.45
				168	4.91
				165	4.94

Cross section 39+08 57

Distance

Remarks

Bson 39+08

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

GL + 54

GL + 57

GL + 60

GL + 63

West Neck

Sta.	Bearing	BS.	H.I.	FS	Elev.
54470	529°W	0.54	9.22		8.68
				120	8.02
				2.27	6.95
				2.65	6.57
				3.44	5.78
				4.42	4.80
				5.53	3.69
				6.57	2.65
				7.45	1.77
				8.70	0.52
				10.30	-1.08
				10.55	-1.33
				10.85	-1.63
				11.07	-1.85
				11.00	-1.78
				9.43	-0.21
				7.95	1.27
				6.80	2.42
				5.53	3.69
				4.33	4.89
				3.00	6.22
				1.72	7.50
				1.12	8.10

Completed
with 5th
sta 60400

504

264

768

Distance

Remarks

B5 on 54+70

G.L

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

GL + 54

GL + 57

GL + 60

GL + 63

West Neck

Sta	Bearing	BS	HI	FS	Elev
66165		.58	9.83		9.25
				.83	9.00
				1.54	8.29
				2.45	7.38
				3.60	6.23
				5.22	3.61
				6.43	3.40
				8.00	1.83
				8.43	1.50
252'				8.78	1.05
145'				8.88	.95
<u>398'</u>				8.82	1.01
				9.38	0.45
				8.50	1.33
				8.46	1.37

Cross section 66+65
(one side completed)

58

Distance

Remarks

BS on 66+65

GL across ditch

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

West Neck

Sta	Bearing	B.S.	L.I.	F.S	Elev.
70166	N75°E	.08	13.11		13.03
				.75	12.36
				.93	12.18
30' above 70166				2.95	10.16
				4.01	9.10
				5.28	7.83
				6.50	6.61
				7.61	5.50
				9.02	4.09
				10.45	2.66
				11.25	1.86
				11.95	1.16
				11.56	1.53
				10.20	2.91

Sloped one side

200'
473'
673'

Distance

Remarks

B.S. on 70+66

6L

6L + 3

6L + 6

6L + 9

6L + 12

6L + 15

6L + 18

6L + 21

6L + 24

6L + 27

6L + 30

6L + 33

6L + 36

West Neck

Sta Brandy BS HST ES ELEV
 Hub #5 536'E .98 1438 13.60

2.08 12.50

2.72 11.86

3.00 11.58

3.84 10.74

4.84 9.74

5.76 8.82

6.50 8.08

7.45 7.13

8.29 6.29

9.44 5.14

10.18 4.40

11.85 2.73

12.35 2.23

12.85 1.73

12.65 1.93

12.35 2.23

12.00 2.58

sloped one side

48'

353
 401'

1055 Section Between Hwy 6301
Now Hwy 101

Distance

Remarks

BS on Hub #5

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

M. G. Bright
Small Ditch into Pond

Sta.	Bearing	B.S.	H.I.	F.S.	Elev.
0 + 0	N 24° W	6.40	16.40		10.00
				11.00	5.40
1 + 25	N 8° W			6.75	10.15
2 + 75	N 10° W			5.50	10.90

of New Home

Combs

10/7/58

Distance Cut

670

600

75

4.5

Remarks

Stake at Pond

Bottom of Pond

725

710

200

4.0

Stake

750

800

350+50

4.0

Stake

Distance

412
282 130
410
370 360

Points

B.5 on D-D
5.5 on Turn

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

GL + 51

West Neck

Sta. Bearing B.S. H.T. F.S. Elev.

		317			
		313	6.25		312
				358	2.37
				433	1.92
				412	1.43
				600	.25
				697	-.72
				765	-1.40
				885	-2.65
				980	-3.55
				1040	-4.15
				11.05	-4.80
				1040	-4.15
				918	-2.93
				775	-1.50
				670	-.45
				518	1.07
				380	2.45
				345	2.80
				265	

Distance
 165
 250

 415'

Distance Cut
400
235 165

Remarks
π on curve

EG on 6+02

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

GL + 39

GL + 42

GL + 45

GL + 48

390
140 250

store on curve

West Neck

Sta	Bearing	BS	HI	FS	Elev
		2.95			
		3.34	6.65		331

395	2.70
-----	------

402	2.63
-----	------

503	1.62
-----	------

610	.55
-----	-----

740	-.75
-----	------

9.23	-2.58
------	-------

10.72	-4.07
-------	-------

11.72	-5.07
-------	-------

11.92	-5.27
-------	-------

11.32	-4.67
-------	-------

10.15	-3.50
-------	-------

8.40	-1.75
------	-------

7.64	-.99
------	------

7.00	-.35
------	------

6.18	+1.47
------	-------

5.04	1.61
------	------

3.92	2.73
------	------

3.10	3.55
------	------

2.45	
------	--

Distance

398
426
824'

448
150 393'

B5 on Curve

B5. on 12+19

G.L.

G.L. + 3

G.L. + 6

G.L. + 9

G.L. + 12

G.L. + 15

G.L. + 18

G.L. + 21

G.L. + 24

G.L. + 27

G.L. + 30

G.L. + 33

G.L. + 36

G.L. + 39

G.L. + 42

G.L. + 45

G.L. + 48

G.L. + 51

460
34 426'

Stake on Curve

West Neck

Sta	Bearing	D.S.	H.T.	E.S.	Elev.
		233			
		260	6.06		346

295 3.11

318 2.88

442 1.64

517 .89

6.29 -.23

7.00 -.94

8.50 -2.44

9.55 -3.49

9.80 -3.74

9.85 -3.79

9.85 -3.79

9.53 -3.47

8.20 -2.14

6.80 -0.74

4.68 1.38

3.58 2.48

2.42 3.54

320

Distance

153

142

313

Distance

310
157 153

Remarks

BS on June

BS on 19+70

GL

GL +3

GL +6

GL +9

GL +12

GL +15

GL +18

GL +21

GL +24

GL +27

GL +30

GL +33

GL +36

GL +39

GL +42

GL +45

GL +48

400
240

160

1pp 5+0

West Neck

Distance on Canal

From 7/16/55 - 8/15/55

Distance	W.L.	Depth
555°E 605'	535	500
N55°W 980'	530	500
510°E 830		
2415		

Lower End

G.L.	Depth from G.L.
480	555
500	530

Curve of W 114
Curve to Crane

West Neck

Sta	Bearing	BS	H.I.	FS	Elev.
	526°E	3.78	7.24		3.46

425	2.99
-----	------

315	4.11
-----	------

315	4.09
-----	------

348	3.76
-----	------

448	2.76
-----	------

523	2.01
-----	------

Distance:

7.23	.01
------	-----

195

8.82	-1.58
------	-------

48

9.78	-2.46
------	-------

243'

11.00	-3.76
-------	-------

11.00	-3.76
-------	-------

243' Distance

11.00	-3.76
-------	-------

Sloped 2 Sides

10.60	-3.36
-------	-------

9.00	-1.76
------	-------

7.75	-1.51
------	-------

6.58	0.66
------	------

4.65	2.59
------	------

3.45	3.79
------	------

2.85	4.39
------	------

N19°W

2.45	4.79
------	------

Distance

520
325 195

B.S. on 19+70
Edge Ditch Opp. 19+20

G.L.

G.L. + 3

G.L. + 6

G.L. + 9

G.L. + 12

G.L. + 15

G.L. + 18

G.L. + 21

G.L. + 24

G.L. + 27

G.L. + 30

G.L. + 33

G.L. + 36

G.L. + 39

G.L. + 42

G.L. + 45

G.L. + 48

G.L. + 51

269
221 48

#1 Hub end 2 sides sloped

West Neck

Sta	Bearing	B.S.	H.I.	F.S.	Elev
		0.70	5.49		4.79
				.80	4.69
				1.45	4.04
	5.00			1.38	4.11
	3.25			2.30	3.19
				3.40	2.09
				4.70	0.79
				6.00	-0.57
Distance:				7.50	-2.01
160'				7.80	-2.31
390				8.20	-2.71
<u>550'</u>				9.00	-3.57
				8.70	-3.21
				7.20	-1.71
				5.00	0.49
N22°W				3.40	2.09

Hub #2

69

Distance

Remarks

150

160'

165

170'

Bson Hub #1

FS Hub #2

GL

GL + 3

GL + 6

GL + 9

GL + 12

GL + 15

GL + 18

GL + 21

GL + 24

GL + 27

GL + 30

GL + 33

GL + 36

535

390

Curve above Hub #2

West Neck

Sta	Bearing	BS	H.I.	FS	Elev
	56°W	4.30	6.39		2.09
	515°E			1.35	5.01

1.84	4.55
------	------

1.75	4.64
------	------

2.32	4.07
------	------

3.35	3.04
------	------

Distance

4.68	1.71
------	------

340'

6.50	-0.11
------	-------

105

7.95	-1.56
------	-------

445'

9.15	-2.76
------	-------

9.45	-3.06
------	-------

9.70	-3.31
------	-------

8.65	-2.26
------	-------

6.60	-0.21
------	-------

5.97	0.42
------	------

N17°W

3.94	2.45
------	------

Hub #3

70.

Distance
 600 340
 154
 123 31

Remarks
 BS on TP
 FS on Hub #3
 GL of Hub #3
 GL + 3
 GL + 6
 GL + 9
 G.L. + 12
 G.L. + 15
 GL + 18
 G.L. + 21
 GL + 24
 GL + 27
 GL + 30
 G.L. + 33
 GL + 36
 T.P. on Curve

447
 342 105

West Neck

Sta	Bearing	B.S.	H.I.	F.S.	Elev
		414	6.59		245
	58°E			1.02	5.57
				.15	6.44
				.58	6.01
				70	5.89
Distance				1.15	5.44
86'				1.85	4.74
128'				3.02	3.57
152'				4.20	2.39
<u>366'</u>				5.65	0.94
				6.70	0.11
				8.35	-1.76
				8.60	-2.01
				8.15	-1.56
				7.75	-1.16
				6.10	0.49
				5.80	0.79
				5.60	0.99
540°W		528	6.27		

Hub #4

7h

Distance

458

372

128

78

86'

126'

63

Remarks

BS on TP of Curve

FS. on Stake 31+90

FS. on Hub #4

GL of Hub

GL +3

GL +6

GL +9

GL +12

GL +15

GL +18

GL +21

GL +24

GL +27

GL +30

GL +33

GL +36

GL +39

TP on Curve

BS. on TP

625

497

623

433

128

152

West Neck

Sta	Bearing	B.S	H/I	F.S	Elev
	N38°E		627	445	1.72
	570'W	510	682		

135 5.47

172 5.10

210 4.72

252 4.30

295 3.87

365 3.17

415 2.67

485 1.97

575 1.07

720 -0.38

780 -0.98

780 -0.98

782 -1.00

810 -1.28

685 -0.03

490 1.92

Distance

175'

300'

324

799'

N83°E

Cross Section of 39408

72.

Distance	Remarks
585 360 175	TP on Curve
600 331 300	R.S. on TP on Curve
175 79 85	FS on stake 39408
	G.L.
	G.L. + 3
	G.L. + 6
	G.L. + 9
	G.L. + 12
	G.L. + 15
	G.L. + 18
	G.L. + 21
	G.L. + 24
	G.L. + 27
	G.L. + 30
	G.L. + 33
	G.L. + 36
	G.L. + 39
658 334 324	End of slope 1 side

West Neck

Sta	Bearing	BS	HT	FS	Elev
	587°W	510	7.02		192

	.35	6.67
--	-----	------

	110	6.92
--	-----	------

	.40	6.62
--	-----	------

	130	5.72
--	-----	------

	167	5.35
--	-----	------

	197	5.05
--	-----	------

	245	4.57
--	-----	------

Distance

	3.00	4.02
--	------	------

305

	3.72	3.30
--	------	------

160

	4.28	2.74
--	------	------

465'

	4.94	2.08
--	------	------

	5.63	1.39
--	------	------

	610	.92
--	-----	-----

	745	-0.43
--	-----	-------

	7.72	-0.70
--	------	-------

	7.75	-0.73
--	------	-------

	7.76	-0.76
--	------	-------

	7.85	-0.83
--	------	-------

	7.30	-0.28
--	------	-------

	5.90	1.12
--	------	------

	5.32	1.70
--	------	------

	4.43	2.59
--	------	------

	3.83	3.19
--	------	------

	2.95	4.07
--	------	------

	2.23	4.79
--	------	------

Cross section on 45+63 73

Distance
 355
 350 305
 35
 15 40

Remarks
 BS on Curve by
 Brown's Level
 FS on stake 45+63
 G.L.
 G.L. +3
 G.L. +6
 G.L. +9
 G.L. +12
 G.L. +15
 G.L. +18
 G.L. +21
 G.L. +24
 G.L. +27
 G.L. +30
 G.L. +33
 G.L. +36
 G.L. +39
 G.L. +42
 G.L. +45
 G.L. +48
 G.L. +51
 G.L. +54
 G.L. +57
 G.L. +60
 G.L. +63
 G.L. +66
 G.L. +69

West Neck

Sta	Bearing BS	HI	FS	Elev
		7.02	158	5.44
			118	5.84
			88	6.14
			4.68	2.34

565°W	5.80	8.14		2.34
522°W			.32	7.82

Distance

267'

145

412'

.52	7.62
116	6.98
1.45	6.69
215	5.99
292	5.22
373	4.41
450	3.64
535	2.79
624	1.90
708	1.06
762	0.52
770	0.44
758	0.56
768	0.46
773	0.41
795	0.19
743	0.71
655	1.59
590	2.24

Distance

Remarks

ESP
390

160

G.L. + 72

G.L. + 75

G.L. + 78

T.P. on Curve

Crossed Sectioned at 50+10

777
450
51
12

267

B.S. T.P.

Elev on 50+10

G.L.

G.L. + 3

G.L. + 6

G.L. + 9

+ 12

+ 15

+ 18

+ 21

+ 24

+ 27

+ 30

+ 33

+ 36

+ 39

+ 42

+ 45

+ 48

+ 51

+ 54

Contd on
page 51

A.T. Taylor

Fish Air Form

Sta	Bearing	BS	H.T.	FS	Elev
	N 78° W	5.00	7.30		2.30
0+0	N 52° E			5.06	2.24
1+42	N 22° E			5.20	2.10
				8.75	-1.45
				7.25	1.05
	537° W	4.30	6.40		
4+13	538° W			4.10	2.30
				7.65	-1.25
				5.65	.75
6+02	N 55° E			3.28	3.12
				7.00	-.60
				5.50	.90
8+12	N 53° E			4.20	2.20
				7.20	-.80
				5.20	1.20
	552° W	4.83	7.03		
10+12	545° W			4.33	2.00
				7.85	-1.82
				6.15	.22
12+19	N 27° E			3.72	3.31
				7.35	-.32
	513° W	4.05	7.36		
14+44	515° W			4.10	3.26
				7.75	-.37
				6.45	.91

Distance			Remarks
542	86'		B.S. on W 31
556	21	69	Stake opp W 31
573	142	66	Stake
585			Ditch at 14+2
265	335		W.L. at 14+2
442			B.S. on 14+2
578	64	66	Stake
			Ditch at 4+13
390			W.L. at 4+13
265	125	71	Stake
			Ditch at 6+02
585			W.L. at 6+02
255	335	62	Stake
			Ditch at 8+12
500			W.L. at 8+12
370	230	64	B.S. on 8+12
447			Stake
417	30		Ditch at 10+12
			W.L. at 10+12
460			Stake
283	177	65	Ditch at 12+19
			W.L. at 12+19
615	425		B.S. on 12+19
510			Stake
300	200	63	Ditch at 14+44
			W.L. at 14+44

A.T. 734550 Fisher 10000

540	Roaring	B3	4.5	F.5	5.181
16+46	N76°E	^{Top 4.5} 4.50013	7.36	4.55	2.81
				8.30	-56
				6.80	.94
19+70	N13°W			7.90	3.46
				7.90	-1.54
				6.20	1.16
	527°E	5.10	8.56		
21+70	N17°E			5.02	3.54
				9.35	-79
				5.35	3.21
23+70	N21°W			4.35	4.21
	524°E	4.20	8.41		
25+87	532°E			3.80	4.61
				8.75	-34
				5.25	3.16
	513°E	4.05	8.66		
27+92	519°E			4.28	4.38
				9.05	-39
				5.45	3.21
	56°E	5.50	9.88		
29+90	58°E			5.40	4.48
31+90	522°E			4.92	4.96
				9.36	.52
				7.66	2.22
34+50	N37°E			4.55	5.33

Distance	W/L	Remarks
463 250	5 ⁰	stake
		Ditch at 16+46
		W.L. at 16+46
325 225	6 ⁰	stake at Woods Road
		Ditch at 19+70
		W.L. at 19+70
595 420 175'		B.S. on 19+70
520 482 38	6 ⁰	stake
		Ditch at 21+70
		W.L. at 21+70
553 312 241	6 ²	stake
553 293 263		B.S. on 23+70
402 352 48	6 ⁴	stake
		Ditch at 25+87
		W.L. at 25+87
515 293 225		B.S. on 25+87
435 418 20	6 ⁰	stake
		Ditch at 27+92
		W.L. at 27+92
770 335 435		B.S. on 27+92
655 418 237	6 ⁰	stake
510 475 35	6 ⁰	stake
		Ditch at 31+90
		W.L. at 31+90
570 340 230	6 ⁰	stake

A.T. Taylor Fisher Form

Sta	Bearing	BS	HI	FS	Elev
	547°W	5.35	10.68		5.33
36+80	N50°W			5.43	5.25
39+08	N74°E	Top 60' Bottom 18'		5.53	5.13
	571°W	5.65	10.78		
41+38	N17°W			5.50	5.28
				10.10	.68
				8.70	2.08
43+43	N88°W			5.50	5.28
	581°W	6.38	11.66		
45+63	563°W			5.72	5.94
47+83	583°E			4.95	6.71
	568°W	5.13	11.84		
50+10	530°W			5.66	6.18
52+20	N60°E			4.05	7.79
				8.90	2.94
				7.90	3.94
	548°E	4.84	12.63		
				5.97	6.66
52+70	588°E			3.00	9.63
54+70	N28°E			3.95	8.68
56+20	N45°E			4.85	7.78
	537°W	3.17	10.95		
			(2.7)	2.95	8.00
58+30	N51°E			3.63	7.32
60+00	N43°E			3.20	7.75

Distance Cut

Remarks

645	220'		B.S. on 34+50
525			
523	40'	5 ⁸	stake
523			
573	233	5 ⁴	stake
620			
455	225		B.S. on 37+08
568			
533	38	5 ²	stake
			Ditch of 41+75
			WL of 41+78
473			
433	240	5 ⁰	stake
760			
515	245		B.S. on 43+43
590			
554	36	5 ²	stake
590			
400	190	5 ⁸	stake
445			
385	260'		B.S. on 47+83
435			
448	37	5 ⁰	stake
490			
320	170	6 ⁴	stake of Hwy 632
			Ditch of 52+00
			WL of 52+20
520			
448	72		B.S. on 52+20
602			
594	8		F.S. BM on Culvert 952
330			
	60'	9 ⁰ 8 ⁰	stake
508			
275	233	9 ⁰ 7 ⁰	stake
675			
300	375	6 ² 6 ⁰	stake
410			
242	168		B.S. on 56+20
			F.S. on 0-24
388			
336	50	7 ⁶ 7 ⁰	stake
432			
215	122	8 7 ³	stake

A.T. Taylor & Others

Sta	Bearing	BS	H.I.	FS	Elev
	548°W	4.40	12.15		7.75
61+86	546°W			4.58	7.67
				9.10	3.05
63+87	N60°E			3.60	8.55
66+65	N58°E			2.90	9.25
	517°E	5.22	14.47		
68+36	N46°W			2.94	11.53
				4.24	10.23
	579°W	2.98	13.21		(13.42)
	N86°W			3.95	8.26
		1.23	10.75		9.52
				7.80	1.75
				7.95	1.90
				8.10	2.05
	572°W	3.80	15.33		11.52
	585°E	4.74	(18.16)		13.42
70+66	N9°W			2.30	13.03
	526°E	4.30	17.33		
72+45	N29°E			3.63	13.70
74+53	N5°W			4.15	13.16
	530°E	4.13	17.29		
76+86	N8°W			3.52	13.77
	520°E	3.50	17.27		
77+44	N40°E			3.86	13.41
				9.95	
				4.85	
				15.00	

Distance	Cut	Remarks
595		
390 305		B.S. on 60+00
507		
388 119	8° 5'	Stake
		Ditch 0-62+86
402		
320 82	8° 6'	Stake
470		
110 360	8° 6'	Stake
595		
453 142		B.S. on 66+65 π in Hwy
307		
280 27	10° 9'	Stake No Hwy 63
		B.S. on Hub (Hwy)
350		
245 105		B.S. on 68+36
485		
386 19		F.S. on 0-18
		B.S. on Culvert
2.95	1.5' 200'	Ditch 0-24
2.77	12	Ditch 0-23
2.6	16	Ditch 0-24
412		
342 70'		B.S. on 68+36
480		
468 22		B.S. on 0-18
335		
130 205	10° 3'	Stake
485		
360 125'		B.S. on 70+66
400		
327 54'	10° 9'	Stake
540		
277 263	10° 4'	Stake
442		
384 58	4'	B.S. on 74+53
450		
255 195	11°	Stake
462		
	224'	B.S. on 76+36
400		
372 28	10° 5'	Stake Navy Property
		N.L. in Canal
		GL. of Canal
		Canal Bottom

C. M. Vaughan & Walter M. W.

Sta	Bearing	BS	HI	FS	Elev
0+0	N57°W	6.15	16.50		16.00
				9.10	7.40
				8.05	8.45
1+20	N66°E			6.80	9.70
2+25	S63°E			2.75	13.75
	N63°W	5.60	19.35		
4+10	N18°E			9.45	9.90
5+30	S64°E			5.35	14.00
	N14°W	7.25	21.25		
10+35	S22°E			5.55	15.70
	N33°E	5.20	20.90		
14+05	S37°E			4.45	16.45
	N57°W	5.16	21.55		
17+05	S61°E			4.80	16.75
	N38°W	5.05	21.80		
22+00	S90°E			2.70	19.10
	N3°E	4.40	23.50		
29+60	S11°W			4.20	19.30
	N2°E	3.10	22.40		
30+45	N20°E			5.70	16.70
33+40	S17°W			3.80	19.00
	N28°E	5.00	24.00		
36+40	S13°W			4.00	19.40
				7.60	16.40

Distance	at	Remarks
50	50	stake
		Creek Bottom
		Wk
75	70	stake
175	175	stake
140	140	BS on 2+75
55	55	stake
65	65	stake
235	235	BS on 5+30
270	270	stake
205	205	BS on 10+40
165	165	stake
200	200	BS on 1+10
200	200	stake
15	15	BS on 19+25
200	200	1st stake on road
210	210	BS on 23+00
200	200	stake
150	150	BS on 29+60
65	65	Reverse Flag
335	335	stake
145	145	BS on 33+40
175	175	stake
		Ditch

William F Goodrich (page 21)

5+0	Barn	3.5	14.1	1.5	5.0
0+0	S30W	3.80	15.50		17.00
				6.90	5.70
9+00	N30E			4.50	11.30
	N47W	5.20	16.50		
12+50	S62E			4.60	11.90
	N74W	5.35	17.25		
14+35	S62E			5.35	11.90
	N65W	4.90	16.50		
16+20	S62E			4.45	12.35
				5.80	11.00
(9+00)					
0+0	S25W	4.70	16.00		11.30
14+10	N29E			4.75	11.25
	S30E	5.20	16.45		
15+05	N46E			5.15	11.30
				8.00	8.45
Straight across from Barn					
0+0	S43E	4.10	14.60		10.50
3+80	N61W			4.95	9.65
	S47E	4.20	13.85		
				8.30	5.55
				7.90	6.15
14+70	N46E			3.70	10.15
				8.05	15.80

Ditch

510

stake at first stake

Ditch bottom

550 540

stake at corner of

560 180

BS on 7+00

570 170

stake

580 55

BS on 12+50

600 130

stake edge of road

620 115

BS on 14+35

630 70

stake in gutter

Ditch bottom

860 460

BS on 9+00

880 950

stake by barn

895 50

BS on 10+10

905 45

stake at road front

Ditch bottom

1130 50

BS on 16+00

1155 380

stake

1170 575

BS on 3+40

cutvert in road 30'

Ditch bottom

1610 44

stake at Hwy

Ditch bottom

William E. Godwin

Sta	Bearing	B.S.	L.I.	F.S.	Elev.
	N31°E	5.05	15.55		10.50
	N41°W			5.00	10.55
				8.50	7.05
	N42°W			7.55	8.00
				6.70	8.85

William E. Godwin Main ditch

0+0	N52°W	3.05	18.65		15.00
				7.95	10.70
1+50	N52°W			3.75	14.90
3+25	N52°W			3.90	14.75
5+00	N52°W			3.80	14.85
6+85	N52°W			3.75	14.70
8+20	N52°W			4.10	14.55
	S40°W	3.95	18.50		
				6.03	12.47
				5.43	13.07
9+48	N24°E			3.92	14.58
11+18	N32°E			3.75	14.75
13+05	N31°E			3.60	14.90
				5.95	12.55
				4.95	13.55
15+10	N31°E			3.00	15.50
	N52°W	4.60	20.10		
16+30	N56°W			4.10	16.00

Distance	Cut	Remarks
800'		B.S. on 16+60
900'		GL. of Main Canal
		Main Canal
		Main at Woods
		Ditch at 16+60
10/16/58		
20	820	5° stake at south end of ditch
100		Ditch bottom
200	690	48° stake
300	495	46° stake
400	320	46° stake
500	135	44° stake
600		42° stake at south end
400	10'	10/24/59 B.S. on 8+20
390		Ditch at Woods
		W.L. of 8+20
450		42° stake
332	118	44° stake
520	288	44° stake
232		44° stake
595	475	44° stake
120		Ditch at 13+05
		W.L. of 13+05
640	630	49° stake at corner
655	380	B.S. on 15+10
275		53° stake along woods
535	260	
275		

William E Godwin

Sta	Bearing	BS	HI	FS	Elev.
17188	N55°W		20.10	4.02	16.08
19184	55°E			4.15	15.95
	N63°W	3.90	19.85		
21175	N54°W			4.10	15.75
				6.55	13.30
23189	553°E			4.37	15.48
25138	555°E			4.30	15.55
	575°E	4.47	20.02		
26135	558°E			4.37	15.65
				6.50	13.52
				6.90	14.02
28145	N67°E			4.05	15.95
	547°W	3.35	19.72		
				5.25	13.57
33103	N45°E			4.08	15.28
37195	N46°E			3.75	15.67
	558°W	3.97	19.54		
				5.90	13.64
41194	N52°E			3.70	15.54

Contd. on Page 43

10/24/58

82.

Distance		Lot	Remarks
444		5 ²	stake
362	82		
472		5 ²	stake
	114		
520			BS on 19+34
	260		
445		4 ⁸	stake
376	69		Godwin's Field
			Ditch along Boll Woods
510		4 ⁷	stake
365	145		
577		4 ⁶	stake
283	294		
450			BS on 25+35
424	26		
500		4 ⁶	stake south edge line
377	123		
			Ditch at 26+35
			W.L. at 26+35
560			stake
	310		
420			BS on 25+35
	370		
			Ditch at 25+35
450			stake
365	85		
640			stake
	330		
431			BS on 25+35
	46		
			stake
500			stake
	400		

Mrs. Loxford 6-24-52

Sta	Bearing	BS	HI	FS	Elev
a	S 30° W	7.30	22.30		15.00
				11.50	10.80
				11.60	10.70
				10.10	12.20
				7.95	14.35
				7.00	15.30
	N 73° E			5.90	16.40
	S 88° E			4.20	18.10
				5.75	16.55

2'
1.5'

16-0
12-0
4-0

83.

840
550

300

center HWY
culvert outlet
" intake
Ditch Bottom
Field ditch at HWY
" " in center
Low spot in field
East side of field
ditch East of field

29673

3448

10350
6976

33740
31392

23488
20920

25020
416
24110
11010

29673
125
13831
20773
24613
21927
51927

25
2519
1034
271
162

3192
3519
1673

4520

237 407

177

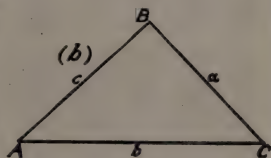
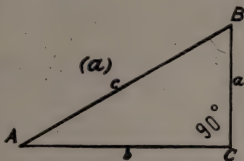
SLOPE REDUCTIONS

When distances are measured on a slope they may be reduced to the equivalent horizontal distance by the following approximate rule: subtract from the slope distance the square of the rise divided by twice the slope distance. Thus for a slope distance of 250.3 ft. and a rise of 15 ft. correction = $15^2 \div 2 \times 250.3 = .45$ (by slide rule) or horizontal distance = $250.3 - .45 = 249.85$. When vertical angle = V. A. is measured horizontal distance = slope distance - slope distance $(1 - \cos V. A.)$. Thus for slope distance of 248.7 ft. and V. A. of $4^\circ 20'$ from Table VIII $\cos = .99714$ and correction = $1 - .99714 = .00286$ per foot or total of $.286 \times 2\frac{1}{2} = .57$ and horizontal distance = $248.7 - .57 = 248.13$ ft.

See fig. (a).

TRIGONOMETRICAL FORMULAS

$$\begin{aligned}\sin A &= \frac{a}{c} \\ \cos A &= \frac{b}{c} \\ \tan A &= \frac{a}{b} \\ \cot A &= \frac{b}{a} \\ \sec A &= \frac{c}{a} \\ \csc A &= \frac{c}{b}\end{aligned}$$



FORMULA FOR SOLVING TRIANGLES

Given	Sought	Right triangles. See fig. (a).
a, c	A, B, b	$\sin A = \frac{a}{c}, \cos B = \frac{a}{c}, b = \sqrt{(c+a)(c-a)}$
a, b	A, B, c	$\tan A = \frac{a}{b}, \cot B = \frac{a}{b}, c = \sqrt{a^2 + b^2}$
A, a	B, b, c	$B = 90^\circ - A, b = a \cot A, c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A, a = b \tan A, c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A, a = c \sin A, b = c \cos A$
Given	Sought	Oblique triangles. See fig. (b).
A, B, a	b	$b = \frac{a \sin B}{\sin A}$
A, a, b	B	$\sin B = \frac{b \sin A}{a}$
a, b, C	$A - B$	$\tan \frac{1}{2}(A - B) = \frac{(a-b) \tan \frac{1}{2}(A+B)}{a+b}$
a, b, c	A	$\left\{ \begin{aligned} \text{If } s &= \frac{1}{2}(a+b+c), \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}} \\ \cos \frac{1}{2}A &= \sqrt{\frac{s(s-a)}{bc}}, \tan \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{s(s-a)}} \\ \sin A &= \frac{2\sqrt{s(s-a)(s-b)(s-c)}}{bc} \end{aligned} \right.$
A, B, C, a	area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$
A, b, c	area	$\text{area} = \frac{1}{2} b c \sin A$
a, b, c	area	$s = \frac{1}{2}(a+b+c), \text{area} = \sqrt{s(s-a)(s-b)(s-c)}$

TABLE I.—NATURAL TRIGONOMETRICAL FUNCTIONS

Angle	Sine.	Tan.	Cotg.	Cosin.		Angle	Sine.	Tan.	Cotg.	Cosin.	
<i>or</i>						<i>or</i>					
0	0	0	00	1	90	8	.1392	.1405	7.115	.99027	82
10	.0029	.0029	343.8	I	50	10	.1421	.1435	6.968	.98986	50
20	.0058	.0058	171.9	.99998	40	20	.1449	.1465	6.827	.98944	40
30	.0087	.0087	114.6	.99996	30	30	.1478	.1495	6.691	.98902	30
40	.0116	.0116	85.94	.99993	20	40	.1507	.1524	6.561	.98858	20
50	.0145	.0145	68.75	.99989	10	50	.1536	.1554	6.435	.98814	10
1	.0175	.0175	57.29	.99985	89	9	.1564	.1584	6.314	.98769	81
10	.0204	.0204	49.10	.99979	50	10	.1593	.1614	6.197	.98723	50
20	.0233	.0233	42.96	.99973	40	20	.1622	.1644	6.084	.98676	40
30	.0262	.0262	38.19	.99966	30	30	.1650	.1673	5.976	.98629	30
40	.0291	.0291	34.37	.99958	20	40	.1679	.1703	5.871	.98580	20
50	.0320	.0320	31.24	.99949	10	50	.1708	.1733	5.769	.98531	10
2	.0349	.0349	28.64	.99939	88	10	.1736	.1763	5.671	.98481	80
10	.0378	.0378	26.43	.99929	50	10	.1765	.1793	5.576	.98430	50
20	.0407	.0407	24.54	.99917	40	20	.1794	.1823	5.485	.98378	40
30	.0436	.0437	22.90	.99905	30	30	.1822	.1853	5.396	.98325	30
40	.0465	.0466	21.47	.99892	20	40	.1851	.1883	5.309	.98272	20
50	.0494	.0495	20.21	.99878	10	50	.1880	.1914	5.226	.98218	10
3	.0523	.0524	19.08	.99863	87	11	.1908	.1944	5.145	.98163	79
10	.0552	.0553	18.07	.99847	50	10	.1937	.1974	5.066	.98107	50
20	.0581	.0582	17.17	.99831	40	20	.1965	.2004	4.989	.98050	40
30	.0610	.0612	16.35	.99813	30	30	.1994	.2035	4.915	.97992	30
40	.0640	.0641	15.60	.99795	20	40	.2022	.2065	4.843	.97934	20
50	.0669	.0670	14.92	.99776	10	50	.2051	.2095	4.773	.97875	10
4	.0698	.0699	14.30	.99756	86	12	.2079	.2126	4.705	.97815	78
10	.0727	.0729	13.73	.99736	50	10	.2108	.2156	4.638	.97754	50
20	.0756	.0758	13.20	.99714	40	20	.2136	.2186	4.574	.97692	40
30	.0785	.0787	12.71	.99692	30	30	.2164	.2217	4.511	.97630	30
40	.0814	.0816	12.25	.99668	20	40	.2193	.2247	4.449	.97566	20
50	.0843	.0846	11.83	.99644	10	50	.2221	.2278	4.390	.97502	10
5	.0872	.0875	11.43	.99619	85	13	.2250	.2309	4.331	.97437	77
10	.0901	.0904	11.06	.99594	50	10	.2278	.2339	4.275	.97371	50
20	.0929	.0934	10.71	.99567	40	20	.2306	.2370	4.219	.97304	40
30	.0958	.0963	10.39	.99540	30	30	.2334	.2401	4.165	.97237	30
40	.0987	.0992	10.08	.99511	20	40	.2363	.2432	4.113	.97169	20
50	.1016	.1022	9.788	.99482	10	50	.2391	.2462	4.061	.97100	10
6	.1045	.1051	9.514	.99452	84	14	.2419	.2493	4.011	.97030	76
10	.1074	.1080	9.255	.99421	50	10	.2447	.2524	3.962	.96959	50
20	.1103	.1110	9.010	.99390	40	20	.2476	.2555	3.914	.96887	40
30	.1132	.1139	8.777	.99357	30	30	.2504	.2586	3.867	.96815	30
40	.1161	.1169	8.556	.99324	20	40	.2532	.2617	3.821	.96742	20
50	.1190	.1198	8.345	.99290	10	50	.2560	.2648	3.776	.96667	10
7	.1219	.1228	8.144	.99255	83	15	.2588	.2679	3.732	.96593	75
10	.1248	.1257	7.953	.99219	50	10	.2616	.2711	3.689	.96517	50
20	.1276	.1287	7.770	.99182	40	20	.2644	.2742	3.647	.96440	40
30	.1305	.1317	7.596	.99144	30	30	.2672	.2773	3.606	.96363	30
40	.1334	.1346	7.429	.99106	20	40	.2700	.2805	3.566	.96285	20
50	.1363	.1376	7.269	.99067	10	50	.2728	.2836	3.526	.96206	10
					82						74
	Cosin.	Cotg.	Tan.	Sine.	Angle		Cosin.	Cotg.	Tan.	Sine.	Angle

TABLE I.—NATURAL TRIGONOMETRICAL FUNCTIONS

Angle	Sine.	Tan.	Cotg.	Cosin.		Angle	Sine.	Tan.	Cotg.	Cosin.	
<i>o'</i>						<i>o'</i>					
16	.2756	.2867	3.487	.96126	74	24	.4067	.4452	2.246	.91355	66
10	.2784	.2899	3.450	.96046	50	10	.4094	.4487	2.229	.91236	50
20	.2812	.2931	3.412	.95964	40	20	.4120	.4522	2.211	.91116	40
30	.2840	.2962	3.376	.95882	30	30	.4147	.4557	2.194	.90996	30
40	.2868	.2994	3.340	.95799	20	40	.4173	.4592	2.177	.90875	20
50	.2896	.3026	3.305	.95715	10	50	.4200	.4628	2.161	.90753	10
17	.2924	.3057	3.271	.95615	73	25	.4226	.4663	2.145	.90631	65
10	.2952	.3089	3.237	.95545	50	10	.4253	.4699	2.128	.90507	50
20	.2979	.3121	3.204	.95459	40	20	.4279	.4734	2.112	.90383	40
30	.3007	.3153	3.172	.95372	30	30	.4305	.4770	2.097	.90259	30
40	.3035	.3185	3.140	.95284	20	40	.4331	.4806	2.081	.90133	20
50	.3062	.3217	3.108	.95195	10	50	.4358	.4841	2.066	.90007	10
18	.3090	.3249	3.078	.95106	72	26	.4384	.4877	2.050	.89879	64
10	.3118	.3281	3.048	.95015	50	10	.4410	.4913	2.035	.89752	50
20	.3145	.3314	3.018	.94924	40	20	.4436	.4950	2.020	.89623	40
30	.3173	.3346	2.989	.94832	30	30	.4462	.4986	2.006	.89493	30
40	.3201	.3378	2.960	.94740	20	40	.4488	.5022	1.991	.89363	20
50	.3228	.3411	2.932	.94646	10	50	.4514	.5059	1.977	.89232	10
19	.3256	.3443	2.904	.94552	71	27	.4540	.5095	1.963	.89101	63
10	.3283	.3476	2.877	.94457	50	10	.4566	.5132	1.949	.88968	50
20	.3311	.3508	2.850	.94361	40	20	.4592	.5169	1.935	.88835	40
30	.3338	.3541	2.824	.94264	30	30	.4617	.5206	1.921	.88701	30
40	.3365	.3574	2.798	.94167	20	40	.4643	.5243	1.907	.88566	20
50	.3393	.3607	2.773	.94068	10	50	.4669	.5280	1.894	.88431	10
20	.3420	.3640	2.747	.93969	70	28	.4695	.5317	1.881	.88295	62
10	.3448	.3673	2.723	.93869	50	10	.4720	.5354	1.868	.88158	50
20	.3475	.3706	2.699	.93769	40	20	.4746	.5392	1.855	.88020	40
30	.3502	.3739	2.675	.93667	30	30	.4772	.5430	1.842	.87882	30
40	.3529	.3772	2.651	.93565	20	40	.4797	.5467	1.829	.87743	20
50	.3557	.3805	2.628	.93462	10	50	.4823	.5505	1.816	.87603	10
21	.3584	.3839	2.605	.93358	69	29	.4848	.5543	1.804	.87462	61
10	.3611	.3872	2.583	.93253	50	10	.4874	.5581	1.792	.87321	50
20	.3638	.3906	2.560	.93148	40	20	.4899	.5619	1.780	.87178	40
30	.3665	.3939	2.539	.93042	30	30	.4924	.5658	1.767	.87036	30
40	.3692	.3973	2.517	.92935	20	40	.4950	.5696	1.756	.86892	20
50	.3719	.4006	2.496	.92827	10	50	.4975	.5735	1.744	.86748	10
22	.3746	.4040	2.475	.92718	68	30	.5000	.5774	1.732	.86603	60
10	.3773	.4074	2.455	.92609	50	10	.5025	.5812	1.720	.86457	50
20	.3800	.4108	2.434	.92499	40	20	.5050	.5851	1.709	.86310	40
30	.3827	.4142	2.414	.92388	30	30	.5075	.5890	1.698	.86163	30
40	.3854	.4176	2.394	.92276	20	40	.5100	.5930	1.686	.86015	20
50	.3881	.4210	2.375	.92164	10	50	.5125	.5969	1.675	.85866	10
23	.3907	.4245	2.356	.92050	67	31	.5150	.6009	1.664	.85717	59
10	.3934	.4279	2.337	.91936	50	10	.5175	.6048	1.653	.85567	50
20	.3961	.4314	2.318	.91822	40	20	.5200	.6088	1.643	.85416	40
30	.3987	.4348	2.300	.91706	30	30	.5225	.6128	1.632	.85264	30
40	.4014	.4383	2.282	.91590	20	40	.5250	.6168	1.621	.85112	20
50	.4041	.4417	2.264	.91472	10	50	.5275	.6208	1.611	.84959	10
					66						58
	Cosin.	Cotg.	Tan.	Sine.	Angle		Cosin.	Cotg.	Tan.	Sine.	Angle

TABLE I.—NATURAL TRIGONOMETRICAL FUNCTIONS

Angle	Sine.	Tan.	Cotg.	Cosin.		Angle	Sine.	Tan.	Cotg.	Cosin.	
<i>or</i>						<i>or</i>					
32	.5299	.6249	1.600	.84805	58	30	.6225	.7954	1.257	.78261	30
10	.5324	.6289	1.590	.84650	50	40	.6248	.8002	1.250	.78079	20
20	.5348	.6330	1.580	.84495	40	50	.6271	.8050	1.242	.77897	10
30	.5373	.6371	1.570	.84339	30	39	.6293	.8098	1.235	.77715	51
40	.5398	.6412	1.560	.84182	20	10	.6316	.8146	1.228	.77531	50
50	.5422	.6453	1.550	.84025	10	20	.6338	.8195	1.220	.77347	40
33	.5446	.6494	1.540	.83867	57	30	.6361	.8243	1.213	.77162	30
10	.5471	.6536	1.530	.83708	50	40	.6383	.8292	1.206	.76977	20
20	.5495	.6577	1.520	.83549	40	50	.6406	.8342	1.199	.76791	10
30	.5519	.6619	1.511	.83389	30	40	.6428	.8391	1.192	.76604	50
40	.5544	.6661	1.501	.83228	20	10	.6450	.8441	1.185	.76417	50
50	.5568	.6703	1.492	.83066	10	20	.6472	.8491	1.178	.76229	40
34	.5592	.6745	1.483	.82904	56	30	.6494	.8541	1.171	.76041	30
10	.5616	.6787	1.473	.82741	50	40	.6517	.8591	1.164	.75851	20
20	.5640	.6830	1.464	.82577	40	50	.6539	.8642	1.157	.75661	10
30	.5664	.6873	1.455	.82413	30	41	.6561	.8693	1.150	.75471	49
40	.5688	.6916	1.446	.82248	20	10	.6583	.8744	1.144	.75280	50
50	.5712	.6959	1.437	.82082	10	20	.6604	.8796	1.137	.75088	40
35	.5736	.7002	1.428	.81915	55	30	.6626	.8847	1.130	.74896	30
10	.5760	.7046	1.419	.81748	50	40	.6648	.8899	1.124	.74703	20
20	.5783	.7089	1.411	.81580	40	50	.6670	.8952	1.117	.74509	10
30	.5807	.7133	1.402	.81412	30	42	.6691	.9004	1.111	.74314	48
40	.5831	.7177	1.393	.81242	20	10	.6713	.9057	1.104	.74120	50
50	.5854	.7221	1.385	.81072	10	20	.6734	.9110	1.098	.73924	40
36	.5878	.7265	1.376	.80902	54	30	.6756	.9163	1.091	.73728	30
10	.5901	.7310	1.368	.80730	50	40	.6777	.9217	1.085	.73531	20
20	.5925	.7355	1.360	.80558	40	50	.6799	.9271	1.079	.73333	10
30	.5948	.7400	1.351	.80386	30	43	.6820	.9325	1.072	.73135	47
40	.5972	.7445	1.343	.80212	20	10	.6841	.9380	1.066	.72937	50
50	.5995	.7490	1.335	.80038	10	20	.6862	.9435	1.060	.72737	40
37	.6018	.7536	1.327	.79864	53	30	.6884	.9490	1.054	.72537	30
10	.6041	.7581	1.319	.79688	50	40	.6905	.9545	1.048	.72337	20
20	.6065	.7627	1.311	.79512	40	50	.6926	.9601	1.042	.72136	10
30	.6088	.7673	1.303	.79335	30	44	.6947	.9657	1.036	.71934	46
40	.6111	.7720	1.295	.79158	20	10	.6967	.9713	1.030	.71732	50
50	.6134	.7766	1.288	.78980	10	20	.6988	.9770	1.024	.71529	40
38	.6157	.7813	1.280	.78801	52	30	.7009	.9827	1.018	.71325	30
10	.6180	.7860	1.272	.78622	50	40	.7030	.9884	1.012	.71121	20
20	.6202	.7907	1.265	.78442	40	50	.7050	.9942	1.006	.70916	10
							.7071	1.	1.	.70711	45
	Cosin.	Cotg.	Tan.	Sine.	Angle		Cosin.	Cotg.	Tan.	Sine.	Angle

TABLE II.—CALCULATION OF EARTHWORK

WIDTH	HEIGHT														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	.02	.04	.06	.07	.09	.11	.13	.15	.17	.18	.20	.22	.24	.26	.28
2	.04	.07	.11	.15	.18	.22	.26	.30	.33	.37	.41	.44	.48	.52	.56
3	.06	.11	.17	.22	.28	.33	.39	.44	.50	.56	.61	.67	.72	.78	.83
4	.07	.15	.22	.30	.37	.44	.52	.59	.67	.74	.81	.89	.96	1.04	1.11
5	.09	.19	.28	.37	.46	.56	.65	.74	.83	.93	1.02	1.11	1.20	1.30	1.39
6	.11	.22	.33	.44	.56	.67	.78	.89	1.00	1.11	1.22	1.33	1.44	1.55	1.67
7	.13	.26	.39	.52	.65	.78	.91	1.04	1.16	1.30	1.42	1.55	1.68	1.81	1.94
8	.15	.30	.44	.59	.74	.89	1.04	1.19	1.33	1.48	1.63	1.78	1.92	2.08	2.22
9	.17	.33	.50	.67	.83	1.00	1.17	1.33	1.50	1.67	1.83	2.00	2.17	2.33	2.50
10	.18	.37	.56	.74	.93	1.11	1.30	1.48	1.67	1.85	2.04	2.22	2.41	2.59	2.78
11	.20	.41	.61	.82	1.02	1.22	1.43	1.63	1.83	2.04	2.24	2.44	2.65	2.85	3.06
12	.22	.44	.67	.89	1.11	1.33	1.56	1.78	2.00	2.22	2.44	2.67	2.89	3.11	3.33
13	.24	.48	.72	.96	1.20	1.44	1.68	1.92	2.16	2.41	2.65	2.89	3.13	3.37	3.61
14	.26	.52	.78	1.04	1.30	1.55	1.81	2.08	2.33	2.59	2.85	3.11	3.37	3.63	3.89
15	.28	.56	.83	1.11	1.39	1.67	1.94	2.22	2.50	2.78	3.06	3.33	3.61	3.89	4.17
16	.30	.59	.89	1.18	1.48	1.78	2.07	2.37	2.67	2.96	3.26	3.56	3.85	4.15	4.44
17	.31	.63	.94	1.26	1.57	1.89	2.20	2.52	2.83	3.15	3.46	3.78	4.09	4.41	4.72
18	.33	.67	1.00	1.33	1.67	2.00	2.33	2.67	3.00	3.33	3.67	4.00	4.33	4.67	5.00
19	.35	.70	1.06	1.41	1.76	2.11	2.46	2.82	3.17	3.52	3.87	4.22	4.57	4.92	5.28
20	.37	.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70	4.07	4.44	4.81	5.18	5.56
21	.39	.78	1.17	1.55	1.94	2.33	2.72	3.11	3.50	3.89	4.28	4.67	5.06	5.44	5.83
22	.41	.81	1.22	1.63	2.04	2.44	2.85	3.26	3.67	4.07	4.48	4.89	5.30	5.70	6.11
23	.43	.85	1.28	1.70	2.13	2.56	2.98	3.41	3.83	4.26	4.68	5.11	5.54	5.96	6.39
24	.44	.89	1.33	1.78	2.22	2.67	3.11	3.56	4.00	4.44	4.89	5.33	5.78	6.22	6.67
25	.46	.92	1.39	1.85	2.31	2.78	3.24	3.70	4.17	4.63	5.09	5.56	6.02	6.48	6.94
26	.48	.96	1.44	1.92	2.41	2.89	3.37	3.85	4.33	4.82	5.30	5.78	6.26	6.74	7.24
27	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
28	.52	1.04	1.55	2.07	2.59	3.11	3.63	4.15	4.67	5.18	5.70	6.22	6.74	7.26	7.78
29	.54	1.07	1.61	2.15	2.68	3.22	3.76	4.30	4.83	5.37	5.91	6.44	6.98	7.52	8.06
30	.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00	5.55	6.11	6.67	7.22	7.78	8.33
31	.57	1.15	1.72	2.30	2.87	3.44	4.02	4.59	5.17	5.74	6.32	6.89	7.46	8.04	8.61
32	.59	1.18	1.78	2.37	2.96	3.56	4.15	4.74	5.33	5.92	6.52	7.11	7.70	8.30	8.89
33	.61	1.22	1.83	2.44	3.05	3.67	4.28	4.89	5.50	6.11	6.72	7.33	7.94	8.55	9.17
34	.63	1.26	1.89	2.52	3.15	3.78	4.40	5.04	5.67	6.29	6.93	7.56	8.18	8.81	9.44
35	.65	1.30	1.94	2.59	3.24	3.89	4.53	5.18	5.83	6.48	7.13	7.78	8.42	9.08	9.72
36	.67	1.33	2.00	2.67	3.33	4.00	4.66	5.33	6.00	6.67	7.33	8.00	8.67	9.33	10.00
37	.68	1.37	2.06	2.74	3.42	4.11	4.79	5.48	6.17	6.85	7.54	8.22	8.91	9.59	10.28
38	.70	1.41	2.11	2.82	3.52	4.22	4.92	5.63	6.33	7.03	7.74	8.44	9.15	9.85	10.56
39	.72	1.44	2.17	2.89	3.61	4.33	5.05	5.78	6.50	7.22	7.95	8.67	9.39	10.11	10.83
40	.74	1.48	2.22	2.96	3.70	4.44	5.18	5.92	6.67	7.41	8.15	8.89	9.63	10.37	11.11

Table gives cu. yds. in 1 ft. of a triangle of given width and height. Corrections for tenths of width are one tenth the values found under each height considering the widths from 1 to 9 as tenths and similarly the corrections for tenths of height are one tenth the figures opposite width considering the heights from 1 to 9 as tenths. Thus if width=16.2 and height=5.3, cu. yds.= $1.48+.028+.089=1.597$ cu. yds. or practically 160 cu. yds. per 100 ft. If width exceeds 40 ft., use one half and multiply result by 2, if both width and height are large use one half of each and multiply result by 4. Any cross-section may be divided into triangles by the following rule. To the triangle of the sum of the outside cuts (or fills)=height, and $\frac{1}{2}$ the roadbed=width, add the triangles formed by taking the distance out to each break in turn (=width's) by the difference between the cuts (or fills) on each side of it (=height's) always subtracting the outer from the inner.

$$\begin{array}{r} 490 \\ 345 \\ \hline 835 \end{array}$$

374

36

19.2

56

$$\begin{array}{r} 14 \times 8 \\ 2 \times 14 \times 8 \\ \hline 176 \end{array}$$

$$\begin{array}{r} 2 \times 14 \\ 3 \times 14 \\ \hline 56 \end{array}$$

28

$$\begin{array}{r} 3 \times 14 \\ 4 \times 14 \\ \hline 112 \end{array}$$

$$\begin{array}{r} 56 \\ 28 \\ 28 \\ \hline 112 \end{array}$$

8

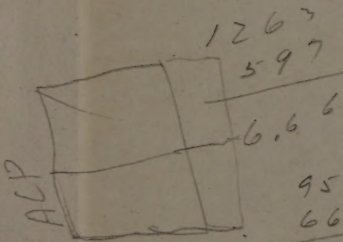
$$\begin{array}{r} 9.3 \\ 3 \\ \hline 219 \end{array}$$

$$\begin{array}{r}
 2.90 \\
 540 \\
 \hline
 430
 \end{array}
 \quad
 \begin{array}{r}
 575 \\
 275 \\
 \hline
 300
 \end{array}
 \quad
 \begin{array}{r}
 475 \\
 200 \\
 \hline
 475
 \end{array}$$

$$\begin{array}{r}
 43 \\
 13 \\
 \hline
 28 \\
 85 \\
 \hline
 113
 \end{array}$$

8.30

225.66



218.66

$$\begin{array}{r}
 952 \\
 666 \\
 \hline
 286
 \end{array}$$

286

$$\begin{array}{r}
 2460 \\
 2423 \\
 2410 \\
 1250 \\
 \hline
 8528
 \end{array}$$

5.79 ALP

$$\begin{array}{r}
 34884 \overline{) 208050} \\
 \underline{172420} \\
 275800 \\
 \underline{244188} \\
 316120 \\
 \underline{313956} \\
 321730
 \end{array}$$

